

The Actassi system

Catalogue 2021

Seamless end-to-end network connectivity



se.com

Life Is On

Schneider
Electric

Actassi puts all the differences aside!



The best features of our local brands and ranges are now merged into one, complete global system – Actassi.

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The Actassi system

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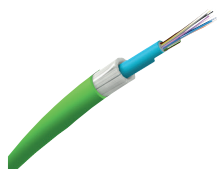
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A short Actassi summary

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Here is a short summary for you: Actassi is Schneider Electric's new global state-of-the-art range for networking and connectivity infrastructure solutions, created for buildings and data centres. It consists of the best performing features from local Schneider Electric brands such as LexCom, Infraplus, Clipsal Datacomms, Sarel and Himel. To be able to offer every installer around the world, the best-of-the-best solutions, we have created ONE single system; Actassi.



Searching for a smaller sized home solution? LexCom Home should be your choice. You'll get data, TV and telephone in all rooms, and even access to all medias at the same time from the same outlet.

All products are designed to give superior usability and performance. They exceed the most advanced international standards, such as ISO/IEC 11801 Ed3.0 for the new S-One connector. All S-One connectors are manufactured to provide exceptional Cat 5e, Cat 6 and Cat 6_A performance for shielded and unshielded data networks.

Furthermore Actassi is fully integrated with a wide range of other Schneider Electric solutions and products, such as the Total Office Performance system including products to create a true organic office – read more on page 8-page 9.

The Actassi system consists of a comprehensive set of products:

- > Connectors for Cat 5e, Cat 6 and Cat 6_A performance
- > Cross-connect panels
- > Copper and fibre optic LAN cables
- > Patch cords and connecting hardware
- > Cabling and server enclosures



Building Actassi



Green Premium to guarantee our products are compliant with International Environment Regulations & Standards (RoHS, REACH, PEP and EoLI)



Reliable cabling solution & proven technology backed by **extended system warranty**



Superior connectivity with compliance of **international standards (TIA/EIA, ISO/IEC, AS/NZ)**

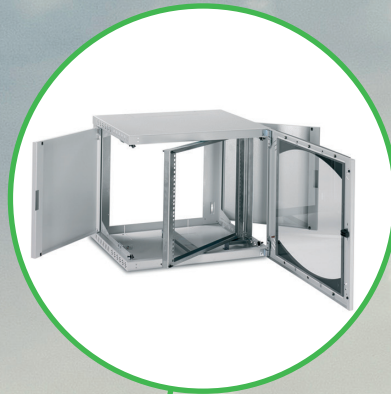


Apply the latest building management technologies with **proven PoE+ connectivity** to increase efficiency of power usage

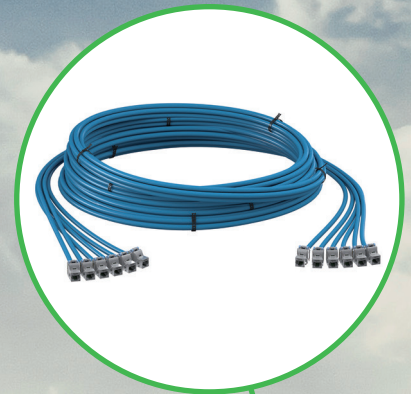
Intelligent
Management



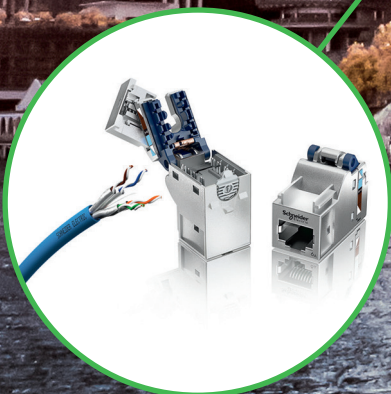
Enclosures



Pre-term Copper
solutions



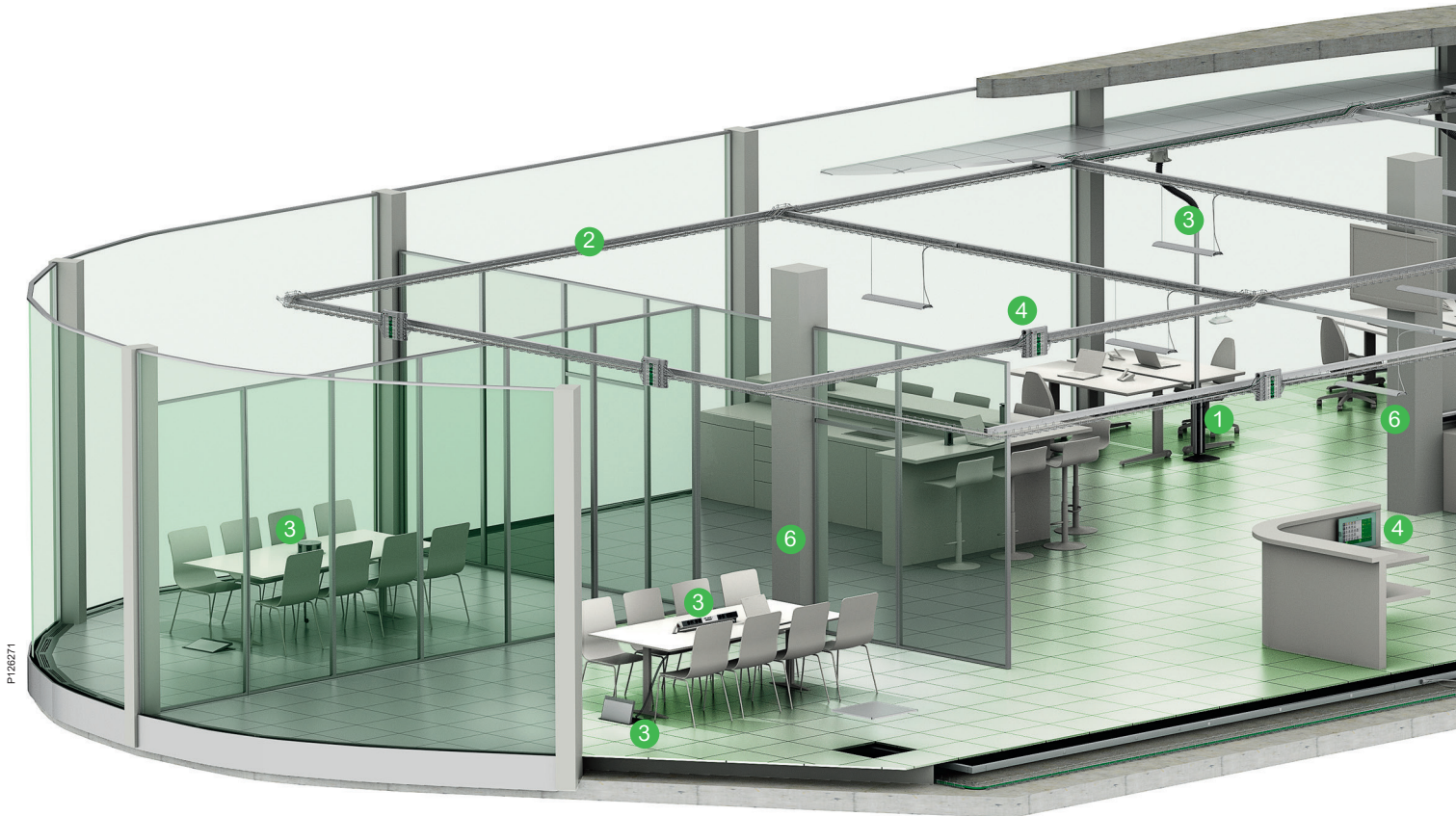
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Superior cable
& Connectivity

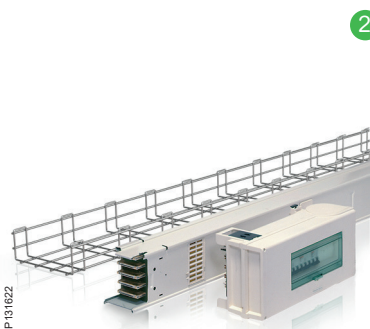
Actassi is a part of the TOP system

By now you know that Actassi is the smartest way to create reliable and high-performing network connectivity. So let's add some more interesting facts to that piece of information; Actassi is also part of our Total Office Performance system. Just like in a human body, it's the interaction between these parts that creates the organic quality of the complete system.



Connectivity Actassi

Network connectivity is as essential for a modern office as the signal substances are for your body's inner communication. Actassi is as intuitive, fast and reliable.



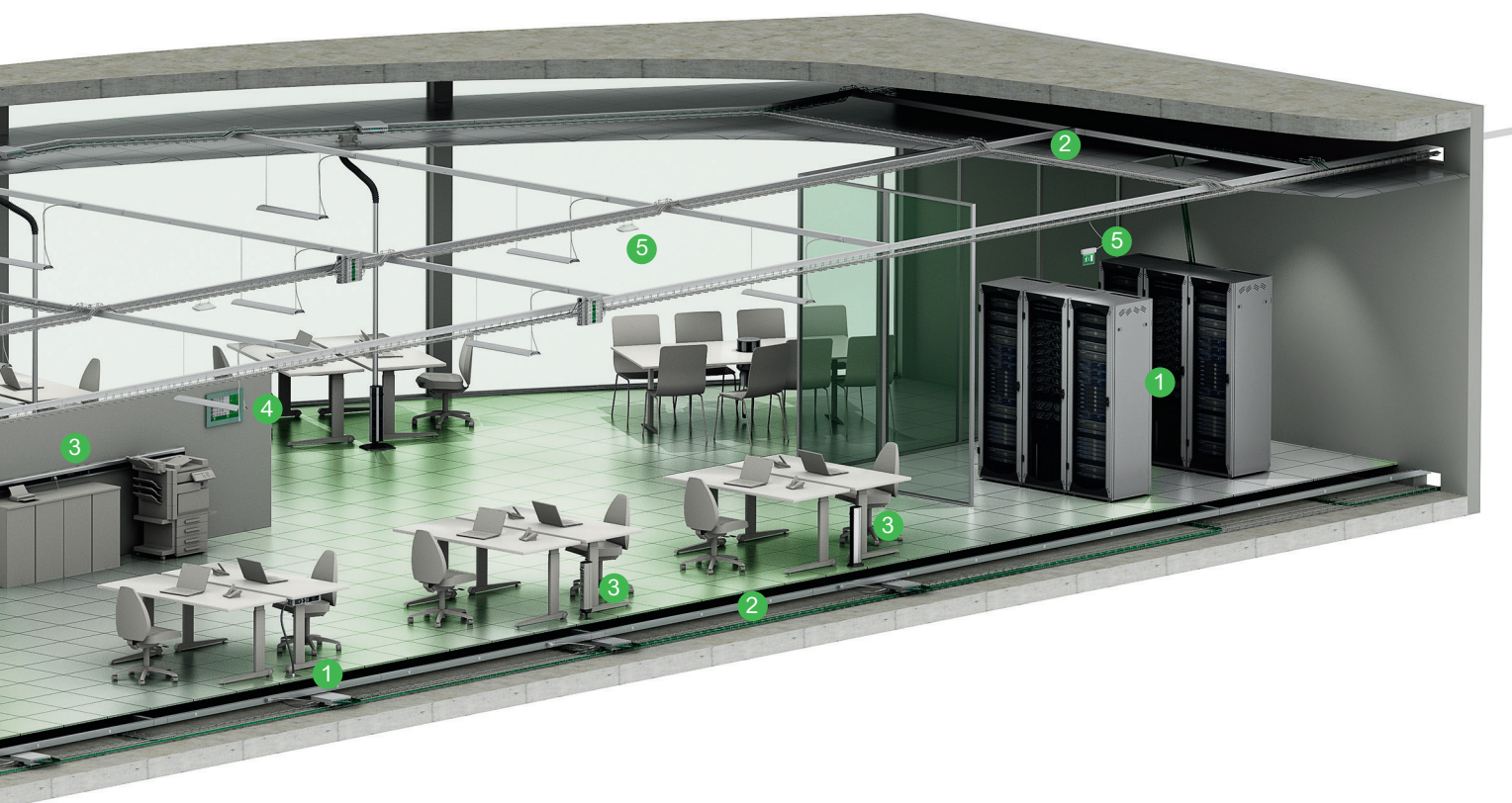
Infrastructure Canalis / Performa

Canalis busbars and Performa mesh trays are the bone structure which distributes power and network throughout the office building.



Installation system OptiLine

OptiLine is to power and networks what your veins are to your blood circulation; Flexible, extensive, reaching into every corner.



Life Space Management Uniq / Roombox

Uniq, Roombox and KNX provides convenient building control and energy management. All functions for LifeSpace Management are monitored from one single source.



Safety and Security Dardo / Twinbus

Finally your office needs eyes, ears and senses. Twinbus is the vigilant door entry system and Dardo and Exiway provides all the safety you need with its signs and alarms.



Wiring devices Altira

This is the office building's skin, containing great functions and presenting them in style.

Data Center

Actassi



Future proof application & above-the-standard performance to maximize the total lifecycle of Actassi solution



Space optimization to maximize ROI by utilizing the scared space resources in data center



Easy deployment to reduce the construction time needed for new data center

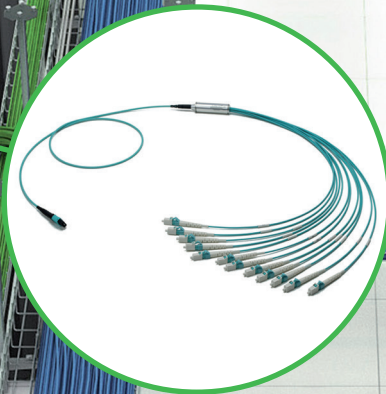
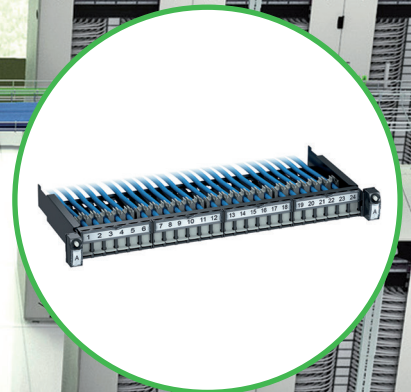


Real time monitoring to secure network continuity of physical layer. Minimize downtime that is caused by human error

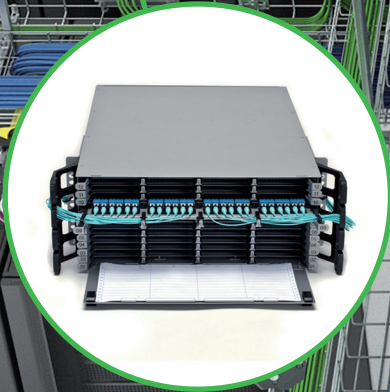
Intelligent
Management



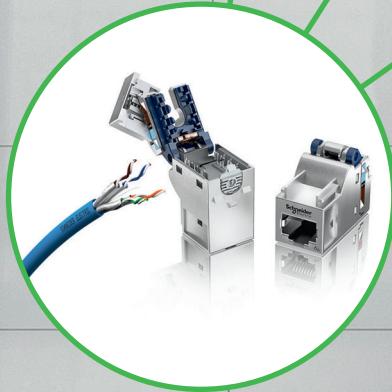
Network racks
and cabinets



Future Proof
connectivity



High Density
Fibre Solution



Superior cable
& Connectivity

Actassi network connectivity solution

Entrance Room (ER)

Actassi single-mode OS2 fibre cables for optimised cable performance in entrance room



Single-mode OS2 fibre cables

Telecommunication Room (TR)

Actassi multi-mode OM4 fibre cables for speeds beyond 40 Gigabit/s and 100 Gigabit/s



Multi-mode OM4 fibre cables

Equipment Distribution Area (EDA)

Tough Cabling for superior data transmission performance regardless of installation quality; and 10G solution for fast data transmission over extensive equipment distributions



F² cables



10G solution



ID-3TM F² patch cords

Storage area

Actassi's fibre solution for quick retrieval of storage data



s for data centres

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Test lab

Tough Cabling for efficient testing activities



F² cables

Control room

Actassi Tough Cabling for superior data transmission, and F² secure patch cords to ensure there are no unauthorised disconnections



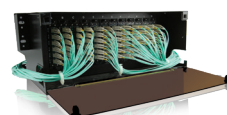
F² cables



ID-3TM F² secure patch cords

Main Distribution Area (MDA)

Actassi MPO plug-n-play solution for high bandwidth demand, high-density reliability and scalability



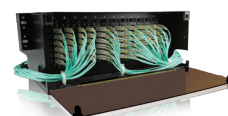
MPO solution

Horizontal Distribution Area (HDA)

MPO plug-n-play solution for guaranteed performance; and 10G solution for fast data transmission over extensive data applications



10G solution



MPO solution

- Backbone cabling
- Horizontal cabling

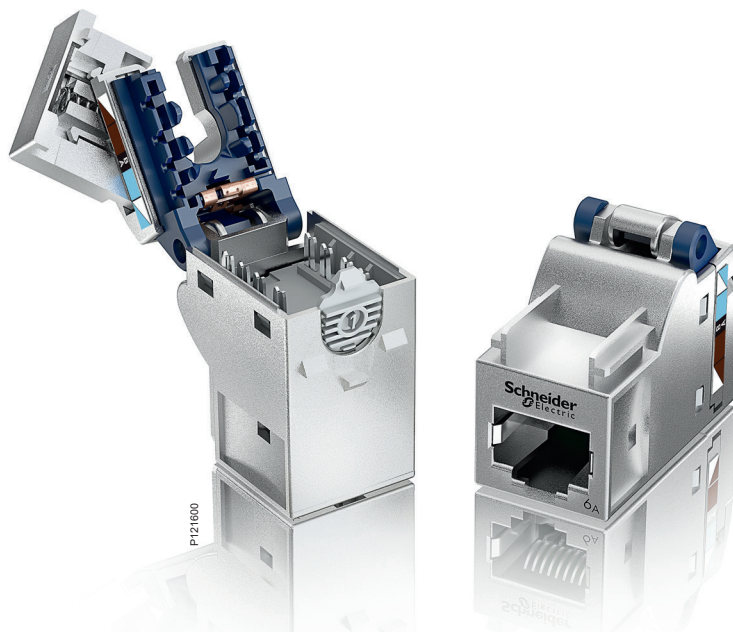
Superior usability

By constructing a complete system, we have made sure that there will never be incompatible differences in-between parts. But as an installer, we believe you would like to know the specifics. Let's take a closer look at some less visible Actassi advantages!



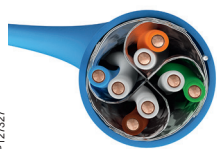
Actassi system

With innovations such as the S-One connector, the sliding 19" patch panels and the CL-MX cable, Actassi allows you to work faster. Installation time will be decreased by up to 20 %, still high-performing network cabling is assured.



The fast and trouble-free Actassi S-One connector

The One-piece RJ45 connector is tool-less to open and close. Advantages such as the colour coding, smart bridle, U-shaped cable entry and automatic 360° earthing allow you to connect up to 50 % faster. A cutting plier is all the tooling you need. Actassi S-One is designed by Schneider Electric, manufactured in our state-of-the-art factory in Denmark and is fully compliant with the latest standard ISO/IEC 11801 Ed3.0.



The new Actassi CL-MX cable has a patented metallic crossfiller for better link performance and less installation operations. No need of separation distance to power cabling and no need of ANEXT field testing.



The high-performance CL-MX cable

A new and innovative shielded Cat 6A cable with 3 times faster installation and a superior transfer impedance performance. The secret is the patented single-foil metallic crossfiller that brings 3x shielding, improved EMC and less cutting operations.



The pre-equipped 19" panels

The Actassi 19" patch panels with sliding and quick-fix function, automatic earthing, quick-release button and rear cable identification will delight any professional.



Actassi VDS allows airflow of 80 %

The new Actassi enclosure for server applications is very robust and can be mounted with up to 750 kg of 19" components. The micro-perforated door ensures superior air circulation. Cable entries at the sides enable ergonomic installations.

Actassi helps you
get more jobs done
by speeding up each
task.

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Install seamless end-to-end connectivity

Actassi includes everything needed to install and operate network connections simply and intuitively. Technical innovations and ergonomic features exceeding the demands of end-users and installers, enhance productivity in every workplace.



Actassi is easy to specify, install, use and upgrade. Together with our OptiLine installation system you will have a very flexible network access.



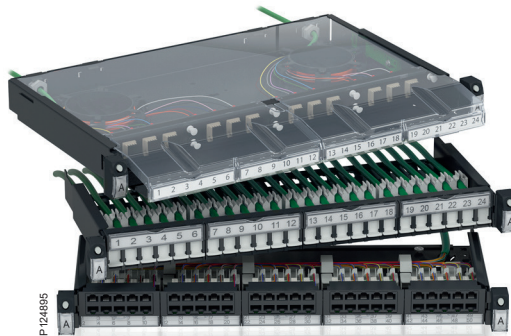
Actassi 19" Enclosures

A complete range of products including all sizes of enclosures, from 6 units to 47 units with different widths, depths and compositions.



Quick Fix

Our 19" panels are all equipped with the Quick Fix function, allowing simple, firm and convenient installation and maintenance.



Actassi 19" Panels

Sliding function, automatic earthing, quick-release button and rear cable identification make the Actassi 19" panel a delight to install.



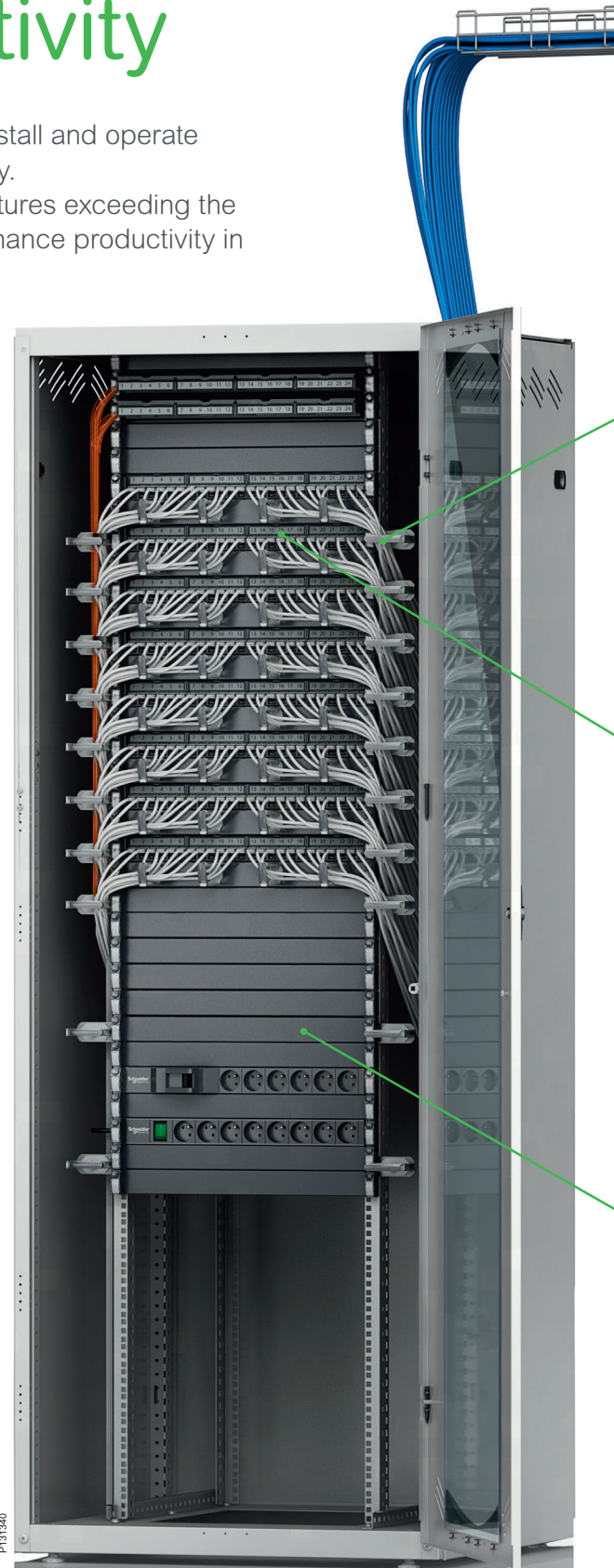
CL-MX cable

The new Actassi CL-MX cable has a patented metallic crossfiller which brings 3x shielding and superior EMC. Still it's 3 times faster to install!



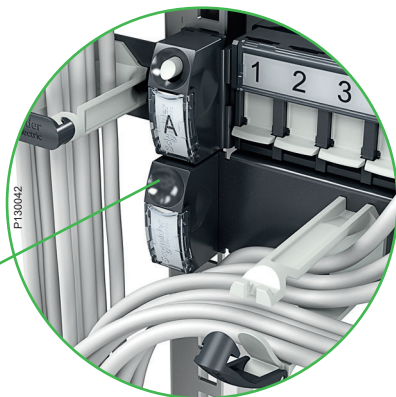
Actassi S-One – Twice as fast

The new Actassi S-One RJ45 connector, with features like the smart bridle, is up to 50 % faster to connect than most other connectors.



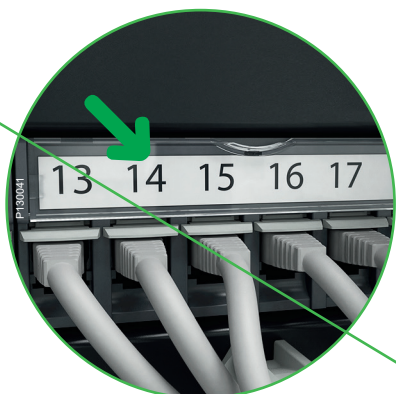
OptiLine
Consolidation point

Performa
Mesh trays



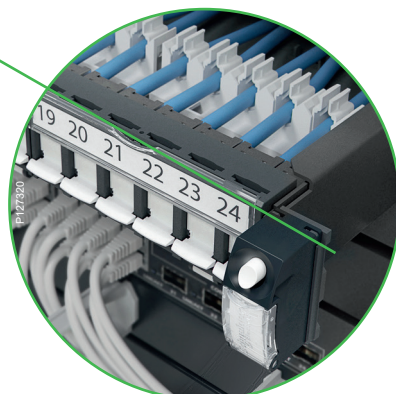
Cable management for perfectionists

Every cord and cable is easily fixed and fastened in its designated place.



Clear marking

Both patch panels and connector face plates are equipped with a system for clear marking.



Expand in no time

The patch panels are pre-equipped and have benefits such as the Quick Fix and a convenient sliding function.



Altira

The Altira range contains all the functions and finishes you need to make a complete and stylish installation.



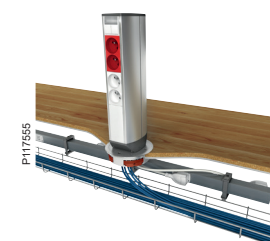
Wall installation

The OptiLine trunking makes tele, data and power easily and elegantly accessible.



Table installation

Increase function, technology and design by providing network and power access for complete flexibility.



Floor installation

For a truly flexible solution, use our two-sided post. It's equipped with a fixing for the innovative floor grommet, enabling easy future adjustments.

Complete peace of mind

Did you connect the right wire? Did you remember earthing? With Actassi you never have to worry again. The shielded connectors have an automatic 360° earthing, so you will save time and provide safe installations simultaneously. But security isn't only a built-in feature in products. It's also a philosophy that has governed the way we have designed the Actassi support services and warranties.



We offer comprehensive training programmes as well as extensive warranties.



You will get it right, intuitively



Actassi system warranty covers the complete network, from the technical room to the workstation. Ask your local Schneider Electric sales office for detailed information on the warranties and support resources in your country.

Actassi is built on intuitive installation technology, making it very hard to fail. But if there are any uncertainties, don't hesitate to call your local support services. They are happy to answer your questions. And if there is something you would like to excel at, you are always welcome to join our training programmes.

Certified standard and global accessibility

All Actassi products are certified to the highest standards by a third party. Several products actually exceed international standards to give you true top-class performance and reliable connectivity. Our worldwide presence and well-known distribution partners also ensure both global and local access to our products and services.



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The Digital Rule helps you select products

Do you find it hard to select RJ45 connectors, patch panels, cables and enclosures? Visit schneider-electric.com and try our Digital Rule. It's an intelligent online e-catalogue which will facilitate your choices and ensure an error-free specification.

Environment in focus

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Actassi is compliant with RoHS, the REACH European directives and PEP Eco passport. Product Environmental Profile available on request.

Energetic and environmental responsibility lies at the core of Schneider Electric culture and strategy. We strive to reduce the environmental impact of our products throughout their entire life-cycle, particularly through eco-design and eco-production.



Actassi CL-MX cables is one example of Eco-design. Halogen-free, flame or fire retardant. In case of fire, the result of using Actassi CL-MX is the reduction of the emissions of opaque smoke and acid gases. Thus, it helps reducing damages to equipment and allows people to escape from the building more easily.

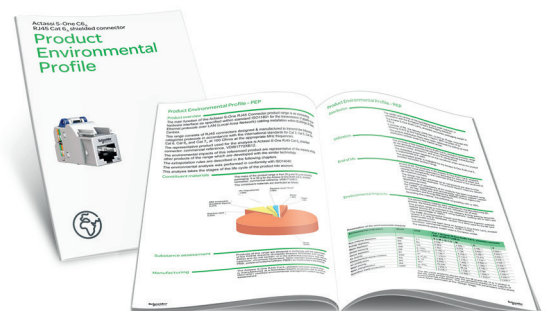
Eco-design

The European Union enacted an Energy using Products (EuP) framework directive in 2005 (directive on the eco-design of products) which seeks to promote eco-design approaches in priority sectors, or even to specify the aims of impacts for some products.

Although Schneider Electric's supply is outside of the EuP target, it generalises the eco-design approach to all its developmental activities and undertakes to communicate the environmental features of its products through Product Environmental Profiles (PEPs).

Product Environmental Profile

For each product Schneider Electric undertakes to publish a Product Environmental Profile (PEP). It provides customers with information on their environmental performances during their life cycle as well as the best treatment solutions at the end of their life. To ensure transparency and the validity of the data, it complies with ISO 14025 in an inter-professional programme which sets shared calculation and drafting rules for publishing the environmental impacts of products.

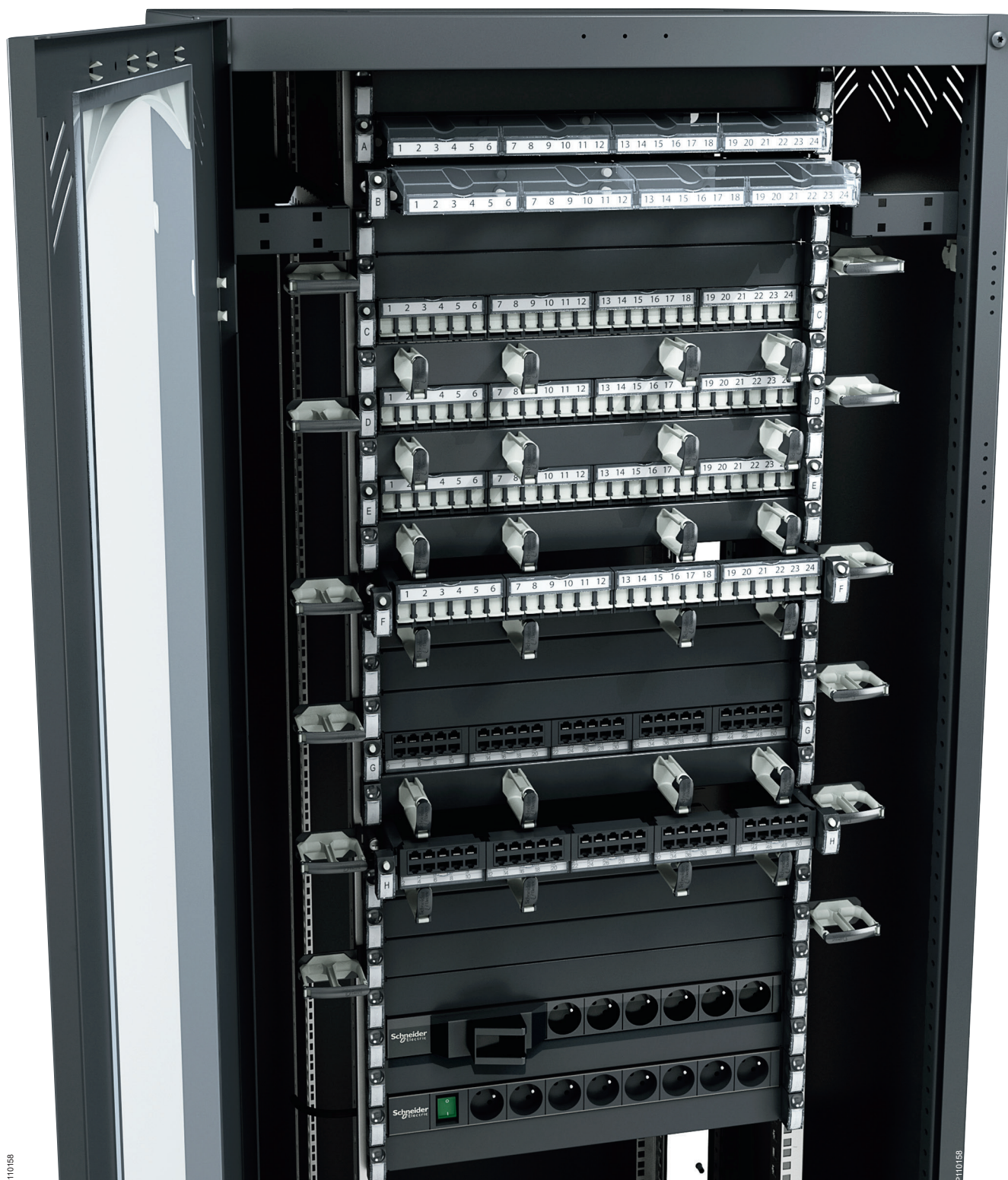


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Actassi 19" patch panels

The Actassi 19" panels are indeed an installer's delight! They are innovative, simple and efficient. They are also part of the global Actassi product portfolio for Network Connectivity including connectors, cables and enclosures. Actassi is also a vital component of TOP – the Total Office Performance system – making workspaces energy efficient, flexible and comfortable. TOP includes everything from power and data distribution, to safety systems and lifespace controls. So, when you choose Actassi you'll get superior usability and a truly seamless end-to-end connectivity.



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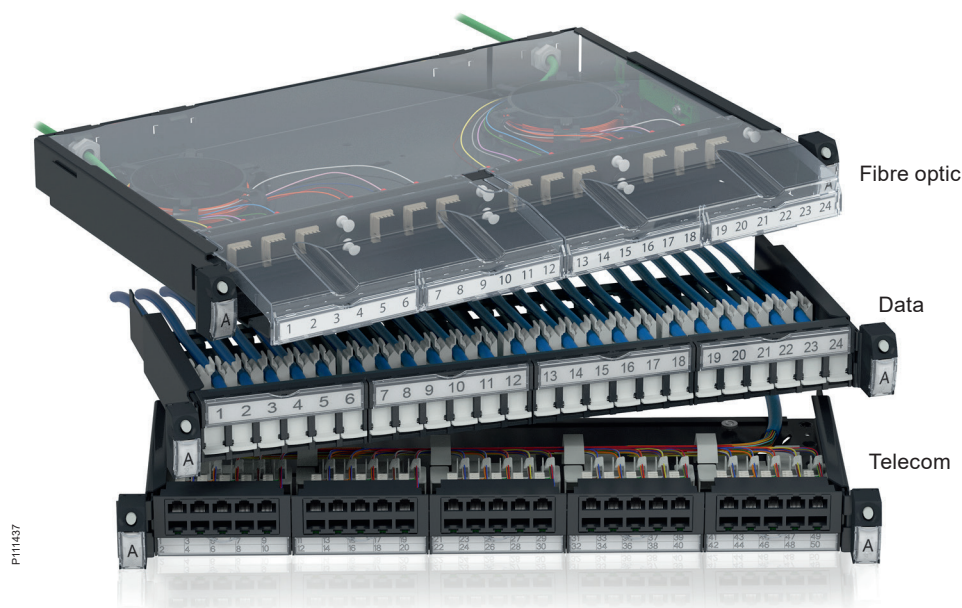
Making professional IT and network installations easy

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All Actassi panels are equipped with the smart and innovative Quick Fix function.

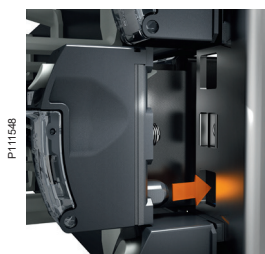
Now, furnishing or maintaining our 19" racks with panels couldn't be done easier or faster. Actassi panels are all equipped with the Quick Fix function, a mechanism mounted at each side of the 1U panel, which helps them to be quickly opened.



A panel for every need

We've got panels for fibre optic, data and telecom. They have all been developed with two words in focus - easy and smart. Some examples; Quick Fix function, sliding panels, clear marking and easy cable management.

The fibre optic panels also have a highly developed protection against dust. And the best of it all, the panels are also available pre-equipped, to make your ordering and installation as simple as possible. Of course power panels are also part of our offer.



Quick Fix

Just press the button and the panel smoothly slides out. Other Quick Fix secrets are the guiding fingers and the pre-mounted screws. The integrated label holder gives the panel a unique identity.



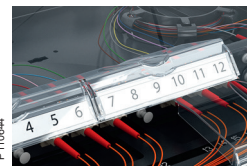
Homogeneous design

Actassi is not only a high quality system, it also looks good! The appearance is really professional since we have kept the same aesthetics for the whole range.



Future proof

All Actassi products are part of our modular offer for creating a professional IT and network environment. The robust design, construction and high-quality materials are other long-lasting guarantees. That's why the Actassi products are future proof.



Good overview

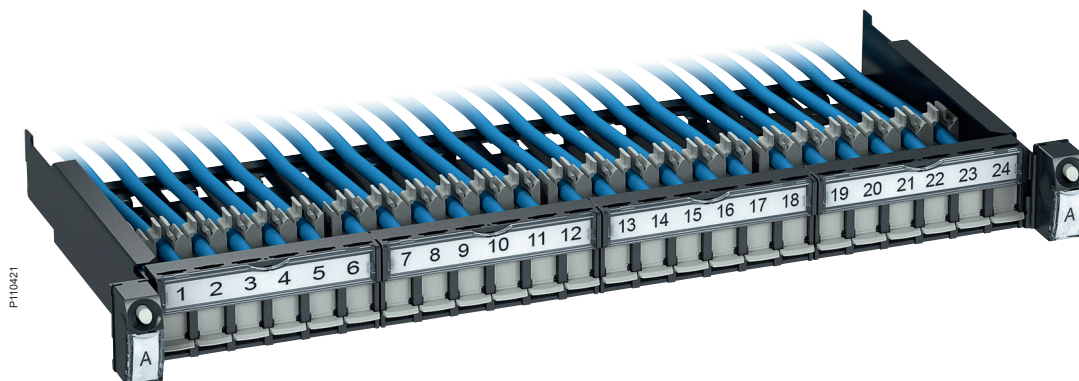
The transparent front lids and the top cover protect the patchcords and fibres, and give a clear visibility of the inside.

Actassi data panels

The data panels contain a front configuration for 24 RJ45 connectors. All panels have the smart Quick Fix function. They are also available pre-equipped with connectors, shutters, label holders and a rear cable organizer. We try to make your life as easy as possible.

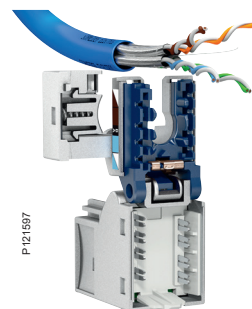


The data panel is available pre-equipped with the innovative S-One connectors.



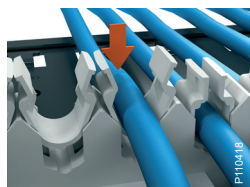
Sliding helps installation

Maintenance and extensions are smoothly performed with the help of the Quick Fix sliding function.



Actassi S-One

The connectors are a one-piece design for very fast and reliable wiring. Actassi S-One exceeds component hardware certification for standards like ISO/IEC 11801 Ed3.0 for Cat 6A, ensuring optimized network performance.



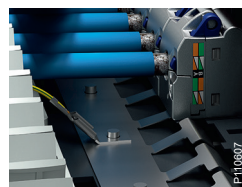
Cable management

Apart from the systems with colour codes, labels and numbers, the technical setup at the rear of the panel is designed to enhance order. Cables of various diameters are easily mounted and kept in place in specified slots.



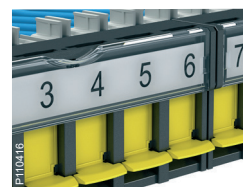
Rear position numbers

Keeping track of each RJ45 could sometimes be very hard. Actassi is changing all of that! The cable numbers at the rear correspond to those at the front, simplifying installation and maintenance from both sides of the rack.



Automatic earthing

An automatic earthing for FTP/STP versions is integrated in the panel.



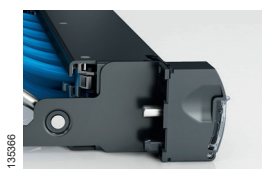
Clear front marking

Each panel plate has an openable label holder. Print your own labels or use the included versions with pre-printed port numbers. Each shutter can also be colour coded for quick identification in both open and closed positions.

Actassi flat high-density panels

The new Actassi 19" flat data panel with connectors placed at an angle gives a new dimension to high density – the panels can be mounted directly on top of each other, with no need of intermediate guiding panels. They are available empty without connectors or equipped with Cat 6_A STP connectors.

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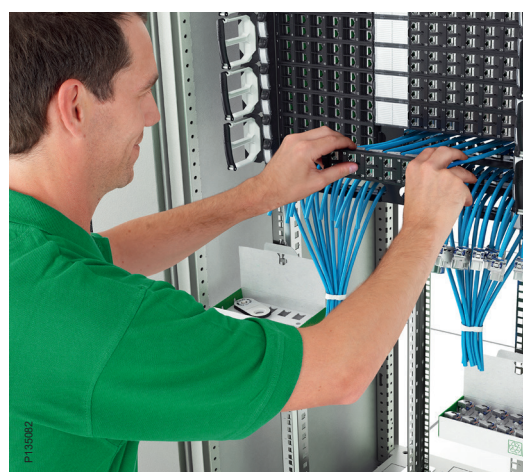


Quick Fix function

The panels are equipped with a Quick Fix function for a fast installation.



The flat data panel contains a configuration for 24 RJ45 connectors with a clear marking both at the front and at the rear. The panels are easy to install thanks to the front access and the Quick Fix function. Use the vertical side rings for vertical management of the patch cords. Other features are the removable cable manager at the rear, the panel identification label and the hinged central label holder.



Vertical side rings

Vertical side rings and connectors at an angle give a true high density installation. The overhead patching frame saves space in the enclosure below.



Connectors at an angle

Connectors placed at an angle combined with front access simplify installation work.



Clear front marking

Large identification labels for easy readability from ground level.



Cable management

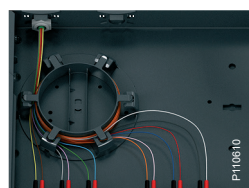
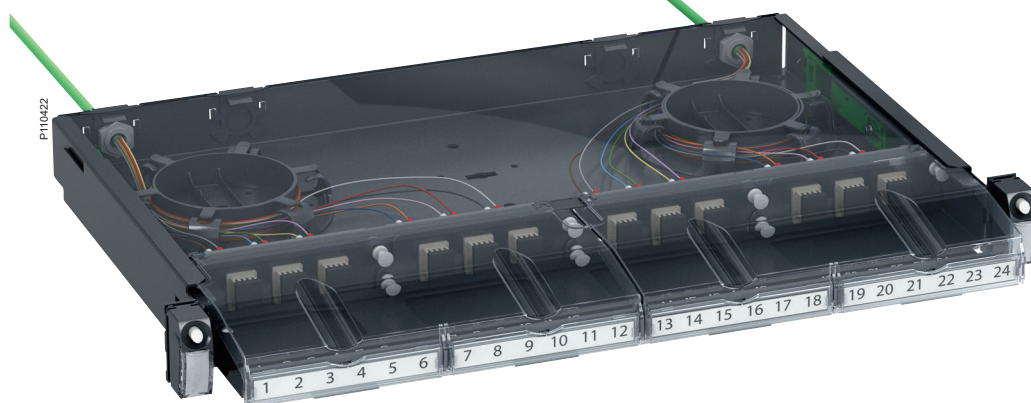
The cable manager can be folded or removed. Hooks for cable ties for extra safety.

Actassi fibre optic panels

A simple all-in-one concept, pre-equipped with for example Quick Fix function, coiling wheels and cable glands. It has a capacity of 24 fibres and has transparent lids for protection and a clear visibility of the inside. Can hold up to 4 cover plates, and since it is delivered with 3 blank plates, the choice is open for the fourth to be used according to your needs. The cover plates are available in empty and pre-equipped versions with adapters.

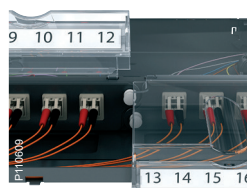


To match your fibre optic panel we have developed a range of pre-equipped cover-plates. It's a time-saving, safer and smarter way to work with your installations.



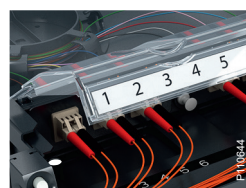
Coiling wheels

The panel contains wheels to keep the fibres in place and to avoid tension on the connectors. This will also give a correct bending radius and more space for excess lengths of the fibres.



Excellent protection

The transparent covers give both protection and overview. The front covers can be opened for quick access and the top cover is easily removed.



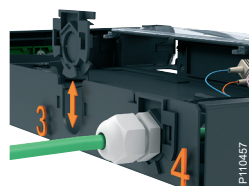
Clear marking

Since the marking is very clear, identifying the cable you are looking for will never be a problem.



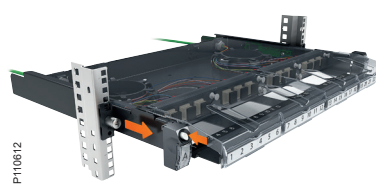
Integrated guiding panel

A patchcord guiding panel, with smoothly shaped edges to protect the cords, is integrated in the panel. So there is no need to add a separate guiding panel that would take another 1U space.



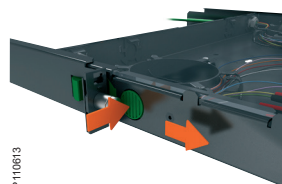
Rear quick fixation

A quick-fixation system is provided for the cables at the rear. Use the provided 16 mm glands for cables. If a 21 mm gland (not provided) is needed, just remove the rear plastic support and fix the gland directly in the cable entry. Quick and easy!



Sliding function

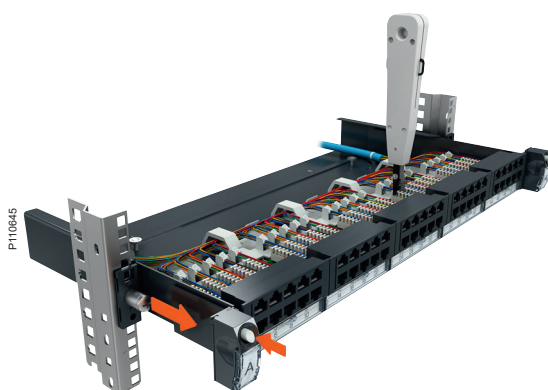
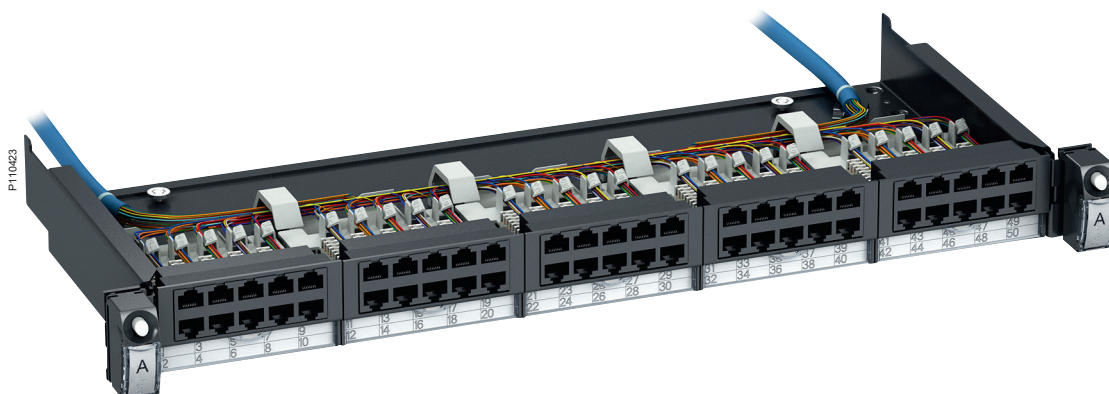
The panel can be slid or completely removed for a more convenient working position.



Actassi telecom panels

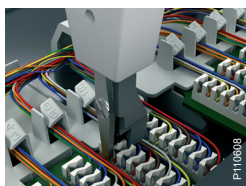
The smart and high capacity 19" telecom patch panel provides up to 50 connections. Very easy fixation of the panel thanks to the Quick Fix function with guiding fingers and pre-mounted screws. The label holders are easily opened without using any tool.

1



Exceptional robustness

The sliding function does not deteriorate the stability. As a proof you can use the punch down tool for LSA contacts with the panel in a sliding-out position. You don't need to remove it from the rack first!



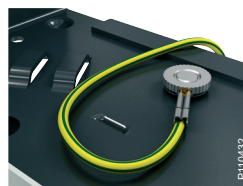
Punch down tool

This is the punch down tool for LSA contacts, to be used for telecom cable connections.



Cable identification

No need trying to figure out which cable goes where. The cable identification is very clear on the clever fixing guides.



Safe and easy earthing

The panel has two earthing connection points for both shielded cables and for the rack, easily accessible at the rear.



Clear marking

The telecom panel comes with pre-printed labels and openable label holders.

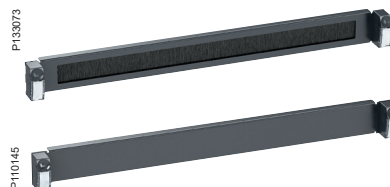
Power panels and accessories

The Actassi system also includes a range of power panels and smart accessories for improved cable management. The power panels are available in several versions, for example with a protected light switch and overvoltage protection. The innovative patchcords guiding panel is equipped with four openable rings, managing up to 48 cords.



Power panel

With Quick Fix function and 3 m of power cord. Several versions, for example with protected circuit breaker/earth leakage.



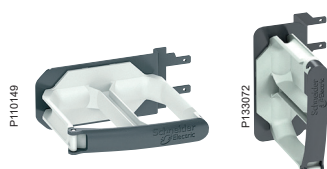
Brush and blank panel

Brush guiding panel. Blank panel instead of an empty gap in the rack.



Guiding panels for patch cords

The 1U panel manages 24 cords, and 2U panel 48 cords. Easily opened but still safe, since a clever device prevents cords from falling out. Also possible to pull out only one cord if needed.



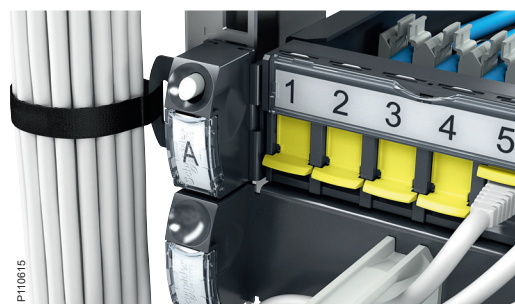
Side rings for rack 800x800

Rings for vertical management of up to 48 patch cords, attached to each side of the guiding panel (or any panel with Quick Fix). Available for 1U and 2U.



Vertical rings for rack 600x600

For the 600x600 racks, use the smaller tie up devices to keep your installations in neat order.

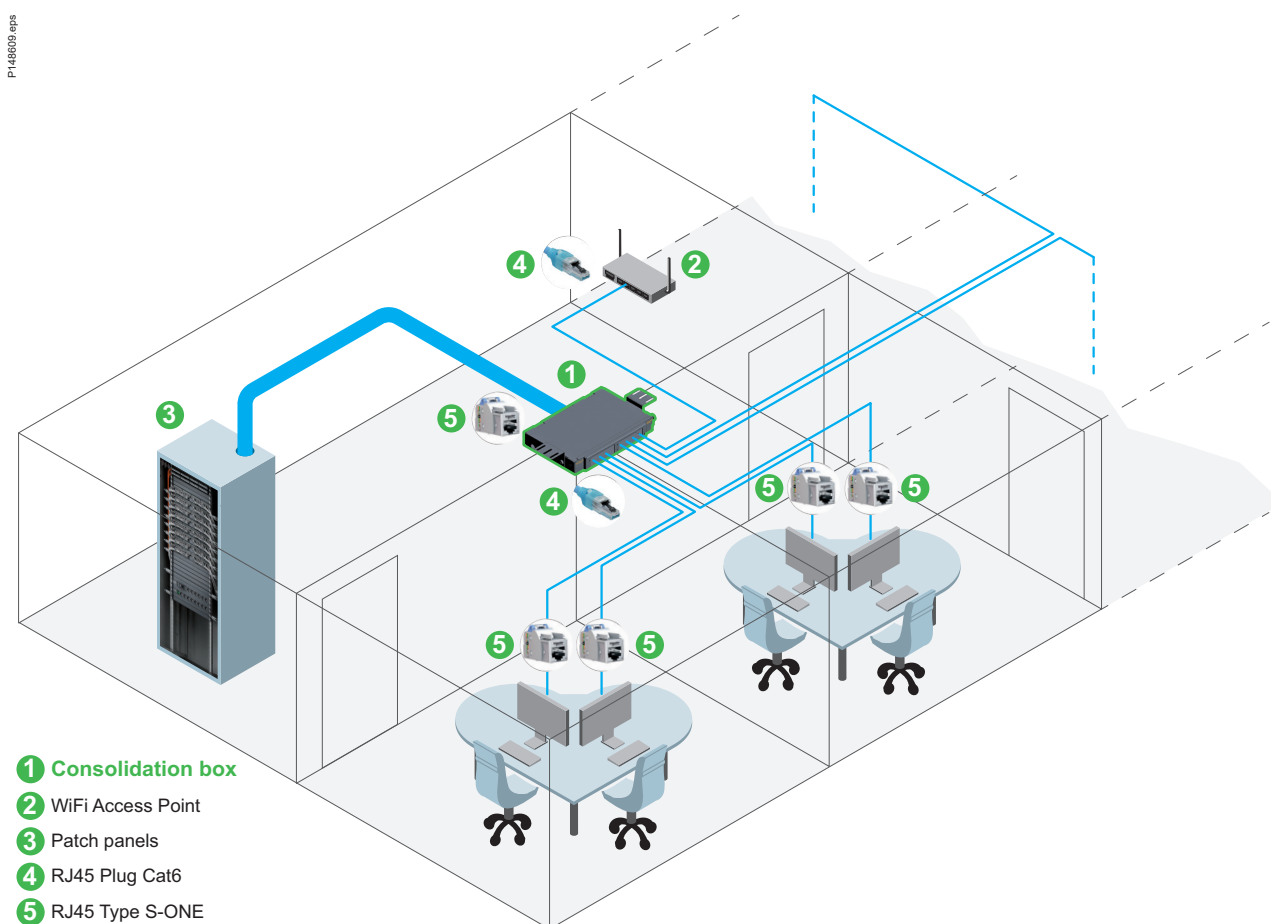


Actassi consolidation box

Cabling infrastructure installations are requested to be more flexible in order to:

Support quick reorganization of the building usage.

Simplify the deployment of new devices and applications that becomes progressively IP based.



Actassi consolidation point is this new node of cabling infrastructure. It has been developed to ease the installation either in ceiling or in technical floor with same components. It is equipped with shutter, label and label holder to be managed inside the whole installation as the other elements.

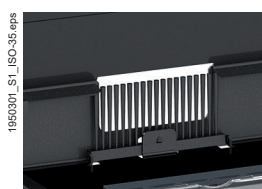
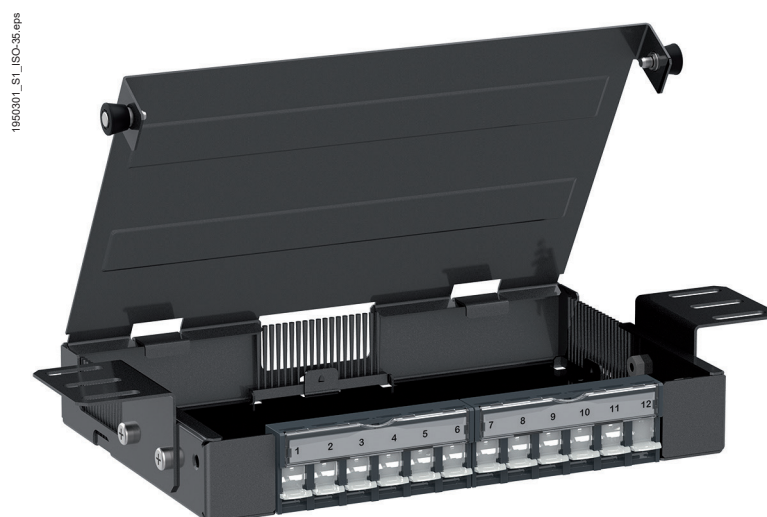
Standards have defined new topologies for distributed services in building in which the consolidation point becomes a central node and it makes the network more scalable.

Installation in cabling infrastructure are now requested to be very flexible. It must be able to support quick reorganization of the building usage and able to simplify the deployment of new devices and applications that are now IP based. Wireless access points, IP cameras, building automation control devices are now directly connected using plug terminated links. These links are connected to a consolidation point. That's why we propose a new set of consolidation box in Actassi range.



Cable management

The inside of the box is designed to enhance order. Cables of various diameters can easily be mounted and fixed on specific features.



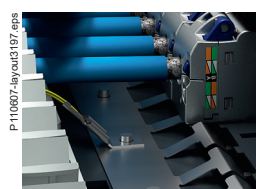
IP protection

Brush are installed on all cables entrances to protect the inside from dust.



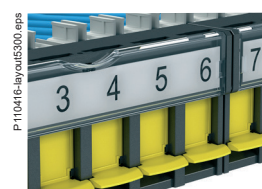
Cover

Cover is removable and can rotate. It allows an easy installation of RJ45 connected with cable inside the box.



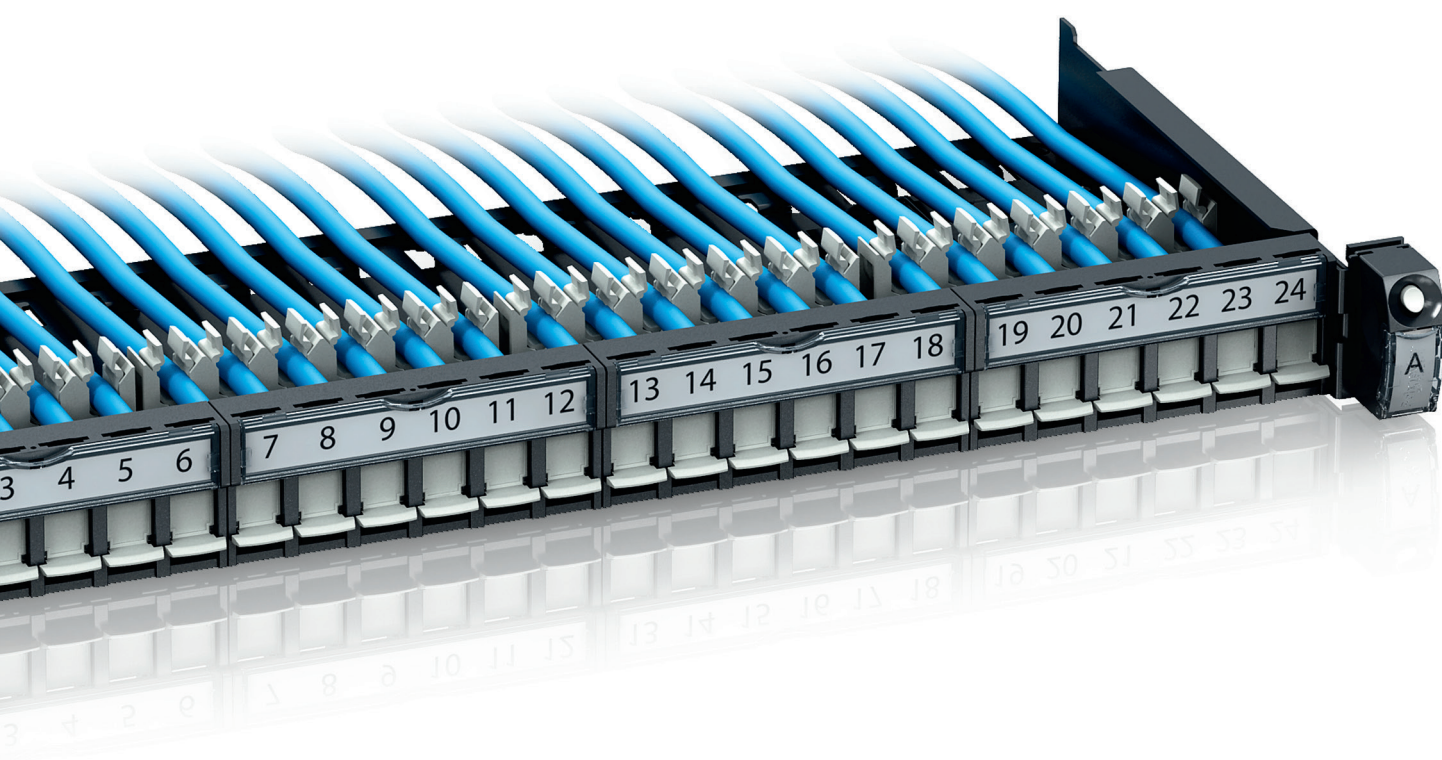
Automatic earthing

An automatic earthing for FTP/STP versions is integrated in the consolidation box.



Clear front marking

Each consolidation box plate has an openable label holder. Print your own labels or use the included versions with pre-printed port numbers. Each shutter can also be colour coded for quick identification in both open and closed position.



Actassi Copper solution

Connectors	32
S-One	36
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Actassi S-One RJ45 connectors



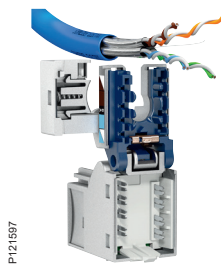
Actassi S-One with one-piece design for faster and safer installations

Without any loose parts the Actassi S-One connector is more compact, easier to handle and up to 50 % faster to connect. The connector is delivered open, ready to connect. It has an automatic 360° cable earthing, a simple locking termination and a very smart locking function. The robust one-piece design is suitable for all applications, and in the Actassi S-One range you'll find both unshielded and shielded connectors of all categories.



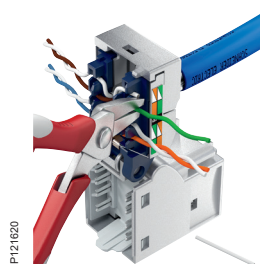
PoE++

The Actassi S-One connector is now certified and fully compliant with the PoE++ standards by Force Technology (Delta), allowing transport of up to 100 W in the data cable.



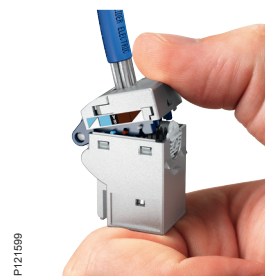
Ready...

S-One is delivered open. Just insert the cable in the central U-shaped entry.



Steady...

Close the smart bridle – it will automatically lock the cable and provide 360° earthing.



Done.

Shut the connector. A “click” confirms that it's locked into its firm and reliable position.

Actassi S-One benefits

U-shaped cable entry with a smart bridle

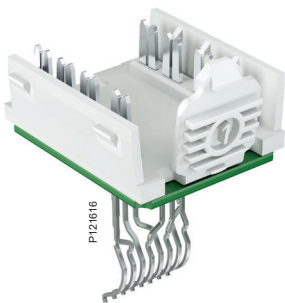
Despite being compact in size, the connector has enough space inside for your work. All functions are designed to ease your installation.

Safe and automatic 360° earthing

Actassi S-One easily provides automatic earthing without any tools.

Protected IDC

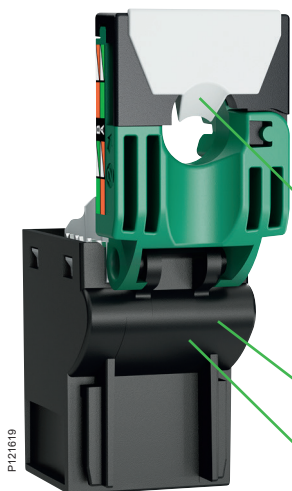
With Actassi S-One it's nearly impossible to damage cables or fingers, since the IDC is concealed in a cavity.



Insulated plastic IDC housing eliminates short-circuit between conductors and metal body.

Ergonomic design

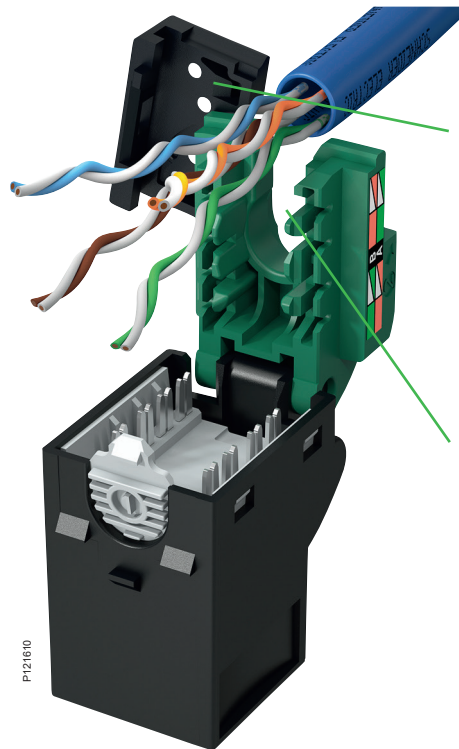
Installing shouldn't be painful! So in the Actassi S-One range it isn't.



Bridle with elastomer insert (unshielded) for convenient locking and soft touch.

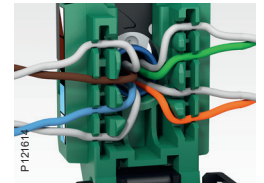
Smooth design with rounded edges.

Touch-friendly materials.



Smart bridle with elastomer insert for cable locking reduces risk of damaging cables.

U-shaped cable entry. Easy access for all cables.



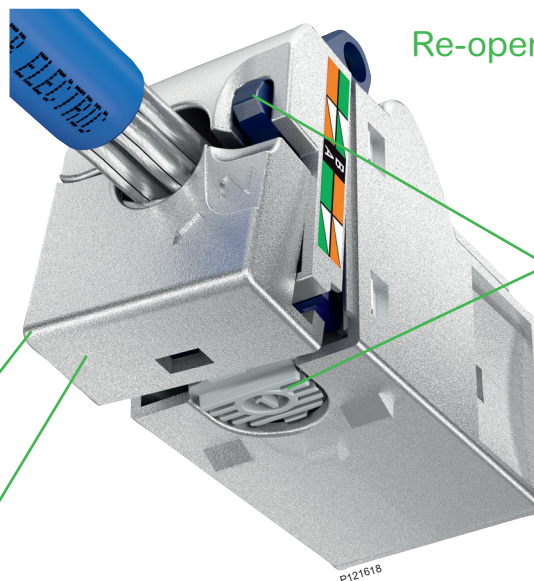
Central cable entry for optimized performance.



Automatic 360° earthing with spring-loaded locking and earthing bridle.



Integrated earth-drain contact provides double earthing.



Re-open in two clicks

You can hear the Actassi S-One opening and closing.

Quick-release buttons for tool-less re-opening.

Reduced risk of damaging connections.

Re-close with a simple click-click.

Actassi S-One is colour-coded

The Actassi S-One wire organizers are colour-coded to make performance identification safer and easier. Both unshielded and shielded connectors are coded according to the same system. Green for Cat 5e, light blue for Cat 6 and dark blue for Cat 6A.

Practical eco-box

- Box of 12 connectors.
- Connectors delivered open, ready to connect.
- Cardboard package for easy recycling.

Integrated hook
for the 19" rack.



Unshielded

The unshielded Actassi S-One connectors have a smooth feel. The design promotes safety and comfort by its finely contoured shape, edges and elastomer insert.

Shielded

The shielded Actassi S-One connectors have two very time saving and safe features. It's the spring-loaded bridle for locking and automatic 360° earthing, and the integrated earth drain contact, which provides efficient double earthing.



Full compliance with ISO/IEC 11801 Ed3.0

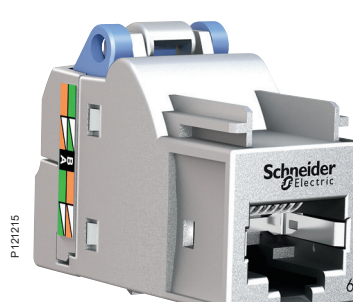
To get your complete network installation classified you need to work with classified components. That's why you should choose our solutions. We provide seamless end-to-end connectivity through safe, speedy and reliable network installations. We are constantly adjusting and updating our portfolio, and at the same time making sure that they are fully compatible with older and future solutions.

Cat 5e

Cat 6

Cat 6_A

2



Every part in our Actassi range is certified to deliver what we claim they will. The Actassi S-One components are produced in Europe and fully compliant with ISO/IEC 11801 Ed3.0 for Cat 6_A, so you can always count on an outstanding performance and reliability.



More data available on the web.
Scan and discover.

<http://go2se.com/web/guest/landing/services/ref=VDIB1772XU12/sn=0?redirect=false>

For scanning, download the free Unitag app on unitag.io/app

- Performance categories: Cat 5e, 6 and 6_A, unshielded and shielded
- Material: unshielded in ABS plastic, shielded in zamak
- Size: height 28 mm, width 18 mm, depth 35 mm
- Applicable standards:
 - ISO/IEC 11801 Ed3.0, class EA permanent link and channel
 - IEC 60603-7-51 Cat 6_A connecting hardware
 - ANSI/TIA-568-C.2 Cat 6_A connecting hardware
 - PoE++ (100 W) IEC 60512-099-002
- One-piece design and U-shaped cable entry
- Tool-less IDC termination
- Earthing (shielded): metallic, 360° self-adjusting, plus drain wire contact
- Operational temperature range: -40°C to + 70°C.
- Plugs compliant with IEC 60603-7 series to use (RJ45)

S-One C5e – Cat 5e

Description	Qty/pack	Ref. No
RJ45 Connector Cat 5e unshielded	1	VDIB17725U01
	12	VDIB17725U12
	96	VDIB17725U96
RJ45 Connector Cat 5e shielded	1	VDIB17725B01
	12	VDIB17725B12
	96	VDIB17725B96

S-One C6 – Cat 6

Description	Qty/pack	Ref. No
RJ45 Connector Cat 6 unshielded	1	VDIB17726U01
	12	VDIB17726U12
	96	VDIB17726U96
RJ45 Connector Cat 6 shielded	1	VDIB17726B01
	12	VDIB17726B12
	96	VDIB17726B96

S-One C6_A – Cat 6_A

Description	Qty/pack	Ref. No
RJ45 Connector Cat 6 _A unshielded	12	VDIB1772XU12
	96	VDIB1772XU96
RJ45 Connector Cat 6 _A shielded	1	VDIB1772XB01
	12	VDIB1772XB12
	96	VDIB1772XB96



PI21213



Tool kit

Description

Provide all the mandatory tools to install the system.

- 1 cable stripper
- 1 connecting tool
- 1 flat screw driver for gain adjustment
- 1 Phillips screw driver for fixing
- 1 key for F connector
- 1 cutting clamp

Type	EAN code	Ref. No
Tool kit	3606480186110	VDIR580020

Actassi S-One DPM RJ45 connectors



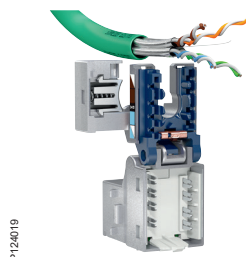
Actassi S-One DPM with one-piece design for faster and safer installations



PoE++

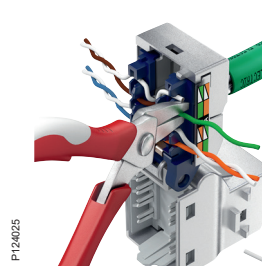
The Actassi S-One DPM connector is now certified and fully compliant with the PoE++ standards by Force Technology (Delta), allowing transport of up to 100 W in the data cable.

Without any loose parts the Actassi S-One DPM connector is more compact, easier to handle and ensures great performance by making each connection 100 % reliable. The connector is delivered open, ready to connect. It has an automatic 360° cable earthing, a simple locking termination and a very smart locking function. The robust one-piece design is suitable for all applications, and in the Actassi S-One DPM range you'll find both unshielded and shielded connectors of all categories.



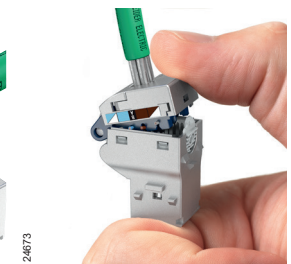
Ready...

S-One DPM is delivered open. Just insert the cable in the central U-shaped entry.



Steady...

Close the smart bridle – it will automatically lock the cable and provide 360° earthing.



Done.

Shut the connector. A "click" confirms that it's locked into its firm and reliable position.

Actassi S-One DPM benefits

U-shaped cable entry with a smart bridle

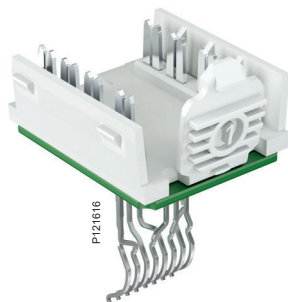
Despite being compact in size, the connector has enough space inside for your work. All functions are designed to ease your installation.

Safe and automatic 360° earthing

Actassi S-One DPM easily provides automatic earthing without any tools.

Protected IDC

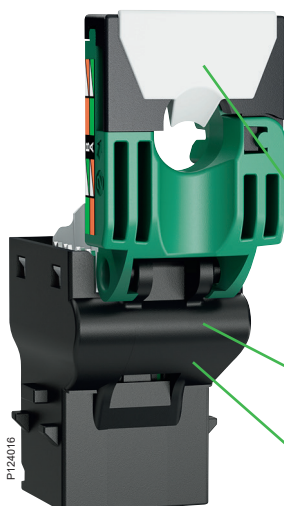
With Actassi S-One DPM it's nearly impossible to damage cables or fingers, since the IDC is concealed in a cavity.



Insulated plastic IDC housing eliminates short-circuit between conductors and metal body.

Ergonomic design

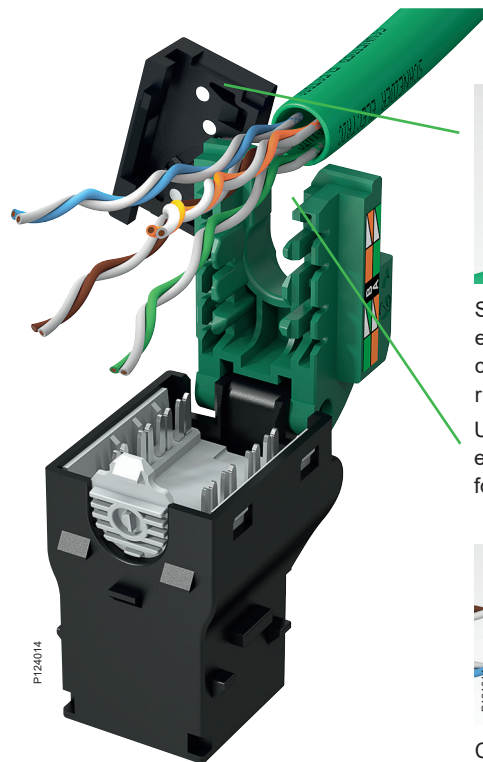
Installing shouldn't be painful! So in the Actassi S-One DPM range it isn't.



Bridle with elastomer insert (unshielded) for convenient locking and soft touch.

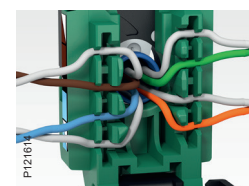
Smooth design with rounded edges.

Touch-friendly materials.



Smart bridle with elastomer insert for cable locking reduces risk of damaging cables.

U-shaped cable entry. Easy access for all cables.



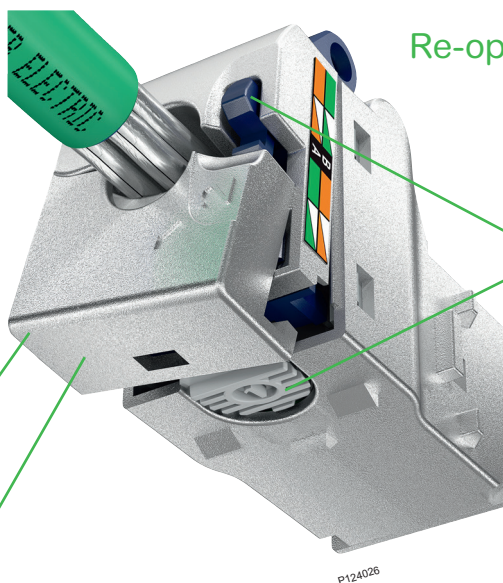
Central cable entry for optimized performance.



Automatic 360° earthing with spring-loaded locking and earthing bridle.



Integrated earth-drain contact provides double earthing.



Re-open in two clicks

You can hear the Actassi S-One DPM opening and closing.

Quick-release buttons for tool-less re-opening.

Reduced risk of damaging connections.

Re-close with a simple click-click.

Actassi S-One DPM is colour-coded

The Actassi S-One DPM wire organizers are colour-coded to make performance identification safer and easier. Both unshielded and shielded connectors are coded according to the same system. Green for Cat 5e, light blue for Cat 6 and dark blue for Cat 6A.

Practical eco-box

- Box of 12 connectors.
- Connectors delivered open, ready to connect.
- Cardboard package for easy recycling.

Integrated hook
for the 19" rack.



Unshielded

The unshielded Actassi S-One DPM connectors have a smooth feel. The design promotes safety and comfort by its finely contoured shape, edges and elastomer insert.

Shielded

The shielded Actassi S-One DPM connectors have two very time saving and safe features. It's the spring-loaded bridle for locking and automatic 360° earthing, and the integrated earth drain contact, which provides efficient double earthing.



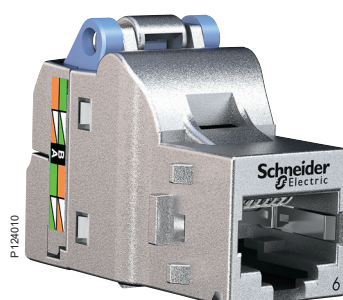
Full compliance with ISO/IEC 11801 Ed3.0

To get your complete network installation classified you need to work with classified components. That's why you should choose our solutions. We provide seamless end-to-end connectivity through safe, speedy and reliable network installations. We are constantly adjusting and updating our portfolio, and at the same time making sure that they are fully compatible with older and future solutions.

Cat 5e

Cat 6

Cat 6_A



Every part in our Actassi range is certified to deliver what we claim they will. The Actassi S-One DPM components are produced in Europe and fully compliant with ISO/IEC 11801 Ed3.0, so you can always count on an outstanding performance and reliability.



More data available on the web.
Scan and discover.

<http://go2se.com/web/guest/landing/services/ref=VDIB1772XU12/sn=0?redirect=false>

For scanning, download the free Unitag app on unitag.io/app

- Performance categories: Cat 5e, 6 and 6_A, unshielded and shielded
- Material: unshielded in ABS plastic, shielded in zamak
- Size: height 28 mm, width 18 mm, depth 35 mm
- Applicable standards:
 - ISO/IEC 11801 Ed3.0, class EA permanent link and channel
 - IEC 60603-7-51 Cat 6_A connecting hardware
 - ANSI/TIA-568-C.2 Cat 6_A connecting hardware
 - PoE++ (100 W) IEC 60512-099-002
- One-piece design and U-shaped cable entry
- Tool-less IDC termination
- Earthing (shielded): metallic, 360° self-adjusting, plus drain wire contact
- Operational temperature range: -40°C to + 70°C.

S-One DPM C5e – Cat 5e

Description	Qty/pack	Ref. No
RJ45 Connector Cat 5e unshielded DPM	1	VDIB17715U01
	12	VDIB17715U12
	96	VDIB17715U96
RJ45 Connector Cat 5e shielded DPM	1	VDIB17715B01
	12	VDIB17715B12
	96	VDIB17715B96

S-One DPM C6 – Cat 6

Description	Qty/pack	Ref. No
RJ45 Connector Cat 6 unshielded DPM	1	VDIB17716U01
	12	VDIB17716U12
	96	VDIB17716U96
RJ45 Connector Cat 6 shielded DPM	1	VDIB17716B01
	12	VDIB17716B12
	96	VDIB17716B96

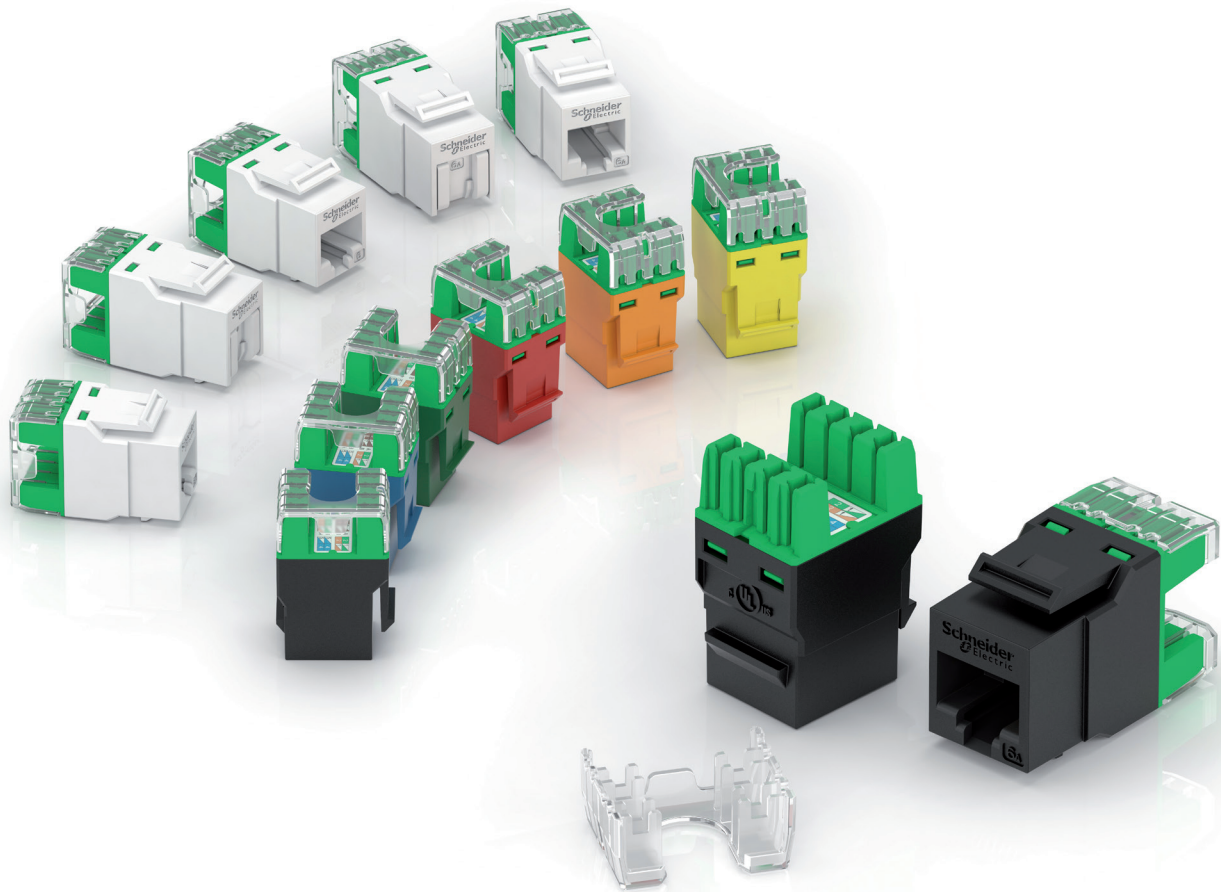
S-One DPM C6_A – Cat 6_A

Description	Qty/pack	Ref. No
RJ45 Connector Cat 6 _A unshielded DPM	1	VDIB1771XU01
	12	VDIB1771XU12
	96	VDIB1771XU96
RJ45 Connector Cat 6 _A shielded DPM	1	VDIB1771XB01
	12	VDIB1771XB12
	96	VDIB1771XB96



Actassi S-110 RJ45 connectors

P148031.dps



Actassi S-110 high-quality ranges

Actassi S-110 is the high-quality range of RJ45 punch-down connectors with Keystone footprint. The connectors are unshielded, based on 110 termination technology and can be connected with Actassi Quick Termination Tool or Actassi punch-down tool. Actassi S-110 range provides full compliance to the latest international standards ISO/IEC 11801 Ed3.0 and ANSI/TIA-568-C.2. It is also compliant to PoE++ (PoE 100W) IEC 60512-99-002 and is supported by 3rd party laboratory certification.

Actassi S-110 RJ45 benefits

Actassi S-110 is the high-quality range of RJ45 punch-down connectors with Keystone footprint. The connectors are unshielded, based on 110 termination technology and can be connected with Actassi Quick Termination Tool or Actassi punch-down tool. Actassi S-110 range provides full compliance to the latest international standards ISO/IEC 11801 Ed3.0 and ANSI/TIA-568-C.2 and is supported by FORCE Technology (Delta) certification.

U-shaped cable entry

Customer is able to do termination with cable entrance by lateral or axial access

Easy termination

Same wire map for Cat 5e + Cat 6 + Cat 6_A = less risk to make wire connection errors

Keystone footprint

RJ45 jack is able to be integrated in Actassi faceplates and 19" patch panels

Wires retention

Wires are maintained in the rear part of RJ45 during termination

Transparent IDC cap

Clear and transparent IDC cap for faster visual inspection of wires after termination

Easy identification of applications

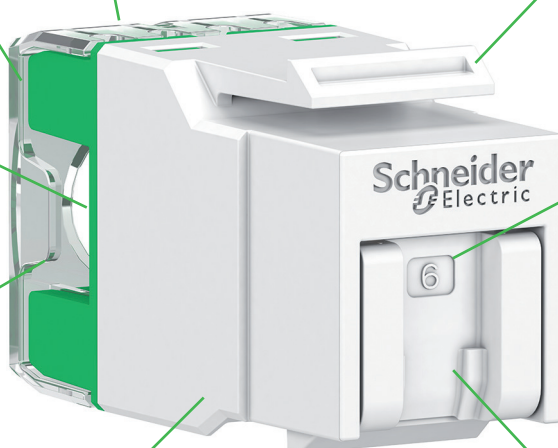
Available in several colours for easy and quick circuit/network identification and management in patch panels

Visible category

With 3 different markings it's easy to know the category just by looking the front of the connector (5e = Cat 5e, 6 = Cat 6, 6A = Cat 6_A)

Integrated automatic shutter

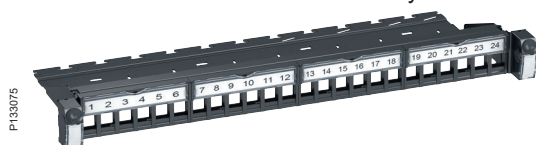
Patented automatic shutter to protect the RJ45 jack from dust and accidental insertion. Customer doesn't need to buy and install additional part to protect the RJ45 jack in 19" patch panel or in Wiring device faceplates



Fixed panels – empty and equipped with the S-110 connectors

The Actassi S-110 product range offers 2 Actassi panels where S-110 RJ45 connectors can be fitted. The panels have a Quick Fix function on both sides and they are equipped with 4 label holders and a metal tray cable manager.

You can choose empty panel or equipped panel (delivered with S-110 Cat 5e unshielded or S-110 Cat 6 unshielded connectors, see page 95).



Empty fixed panel for S-110 connectors (for all categories **except Cat 6_A unshielded**)



Equipped fixed panel with S-110 connectors (delivered with S-110 **Cat 5e unshielded** or **S-110 Cat 6 unshielded** connectors)

For the specific need of Cat 6_A unshielded system, a panel is available with an offset design to fit with specific requirements of S-110 Cat 6_A unshielded connectors.

This panel is equipped with S-110 Cat 6_A unshielded connectors (black colour, without shutters, see page 97).



Equipped fixed panel for S-110 connectors (delivered with S-110 **Cat 6_A unshielded** connectors)

Actassi S-110

Industrial design

Our product design allows you to recognize the Schneider brand through the RJ45 jack aesthetic: logo, design and color. It's easy to associate it to Schneider Electric products and other ranges and is a proof of our willingness to provide you a full consistency in our offers.

Practical eco-box

- Box of 24 connectors.
- Connectors delivered in individual, Plastic bag
- Cardboard package for easy recycling.



Full compliance with ISO/IEC 11801 Ed3.0

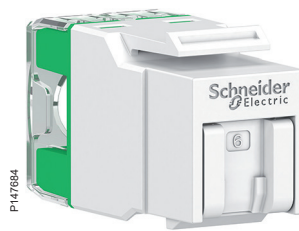
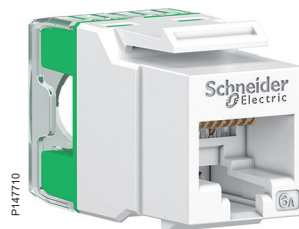
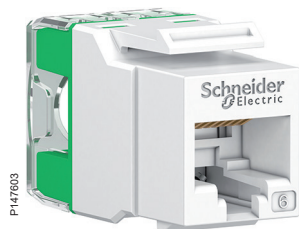
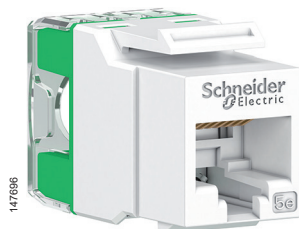
To get your complete network installation classified you need to work with classified components.

That's why you should choose our solutions. We provide seamless end-to-end connectivity through safe, speedy and reliable network installations. We are constantly adjusting and updating our portfolio, and at the same time making sure that they are fully compatible with older and future solutions.

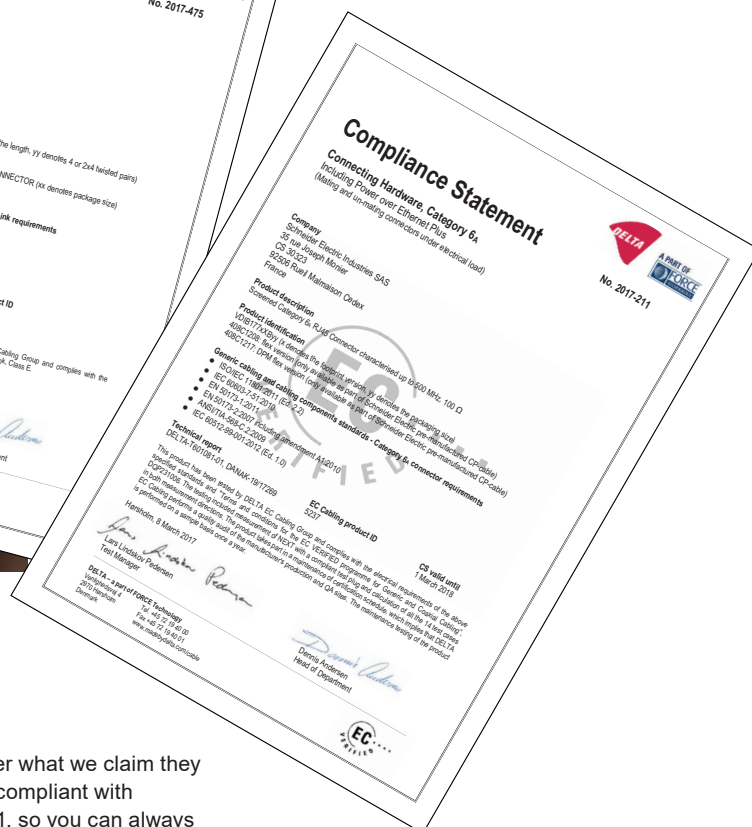
Cat 5e

Cat 6

Cat 6_A



2



Every part in our Actassi range is certified to deliver what we claim they will. The Actassi S-110 UTP components are fully compliant with ISO/IEC 11801 Ed3.0 and also ISO 60512-099-001, so you can always count on an outstanding performance and reliability.



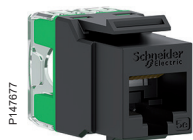
P147730

More data available on the web. Scan and discover.

www.schneider-electric.com/qr-actassi_s110_rj45_connector

For scanning, download the free Unitag app on unitag.io/app

- Performance category: Cat 5e unshielded
- Material: PC-ABS plastic for UTP.
- Size: height 22 mm, width 16 mm, length 36 mm
- Applicable standards:
 - ISO/IEC 11801 Ed3.0
 - ANSI/TIA-568-C.2
 - IEC 60603-7-2 Cat 5e connecting hardware
- Keystone footprint
- Punch-down IDC termination
- Operational temperature range: -10°C to 60°C
- Can be terminated with Actassi punch down tool and with Actassi quick termination tool
- Delivered in individual bags with cabling instructions.



P147877



P147896

S-110 Keystone unshielded Cat 5e

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45 keystone unshielded, black	1	VDIB17365UBK
Connector RJ45 keystone unshielded, white	1	VDIB17365UWE



P148082

S-110 30 M unshielded Cat 5e

Description	Qty/pack	Ref. No
With shutter		
Connector RJ45, 30 M unshielded shutter white	1	VDIB17335UWE



P147714

S-110 40 M unshielded Cat 5e

Description	Qty/pack	Ref. No
With shutter		
Connector RJ45, 40 M unshielded shutter translucent	1	VDIB17395UTN

Connectors

S-110

Category 6 unshielded



More data available on the web. Scan and discover.

www.schneider-electric.com/qr-actassi_s110_rj45_connector

For scanning, download the free Unitag app on unitag.io/app

- Performance categories: Cat 6, unshielded
- Component certified by 3rd party laboratory
- Material: ABS plastic
- Size: height 22 mm, width 16 mm, length 36 mm
- Applicable standards:
 - ISO/IEC 11801 Ed3.0
 - ANSI/TIA-568-C.2
 - IEC 60603-7-4 Cat 6 connecting hardware
 - PoE++ (100 W) IEC 60512-099-002
- Keystone footprint
- Punch-down IDC termination tool
- Patented shutter
- Available in various colours
- Operational temperature range: -10°C to 60°C
- Individual bag with cabling instructions
- Can be terminated with Actassi punch down tool and with Actassi quick termination tool.

S-110 Keystone unshielded Cat 6

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45, keystone unshielded black	1	VDIB17366UBK
Connector RJ45, keystone unshielded blue	1	VDIB17366UBU
Connector RJ45, keystone unshielded green	1	VDIB17366UGR
Connector RJ45, keystone unshielded red	1	VDIB17366URD
Connector RJ45, keystone unshielded soft grey	1	VDIB17366USG
Connector RJ45, keystone unshielded white	1	VDIB17366UWE
Connector RJ45, keystone unshielded yellow	1	VDIB17366UYL
Connector RJ45, keystone unshielded orange	1	VDIB17366UOR

With shutter		
Connector RJ45, keystone unshielded shutter black	1	VDIB17346UBK
Connector RJ45, keystone unshielded shutter blue	1	VDIB17346UBU
Connector RJ45, keystone unshielded shutter green	1	VDIB17346UGR
Connector RJ45, keystone unshielded shutter red	1	VDIB17346URD
Connector RJ45, keystone unshielded shutter soft grey	1	VDIB17346USG
Connector RJ45, keystone unshielded shutter white	1	VDIB17346UWE
Connector RJ45, keystone unshielded shutter yellow	1	VDIB17346UYL

S-110 40 M Unshielded Cat 6

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45 40 M, unshielded translucent	1	VDIB17386UTN
With shutter		
Connector RJ45 40 M, unshielded shutter translucent	1	VDIB17396UTN

S-110 Keystone unshielded Cat 6 angle

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45, keystone unshielded white, angled	1	ACTRJSMA6NSUWE



Connectors

S-110

Category 6A unshielded



More data available on the web. Scan and discover.

www.schneider-electric.com/qr-actassi_s110_rj45_connector

For scanning, download the free Unitag app on unitag.io/app

- Performance categories: Cat 6_A, unshielded
- Component certified by 3rd party laboratory
- Material: ABS plastic
- Size: height 22 mm, width 16 mm, length 36 mm
- Applicable standards:
 - ISO/IEC 11801 Ed3.0
 - ANSI/TIA-568-C.2
 - IEC 60603-7-4-1 Cat 6_A connecting hardware
 - PoE++ (100 W) IEC 60512-099-002
- Keystone footprint
- Punch-down IDC termination tool
- Patented shutter
- Available in various colours
- Operational temperature range: -10°C to 60°C
- Individual bag with cabling instructions
- Can be terminated with Actassi punch down tool and with Actassi quick termination tool.

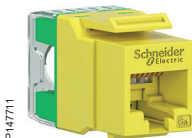
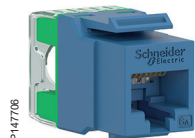
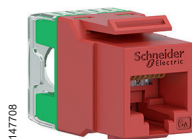
S-110 Keystone unshielded Cat 6_A

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45, keystone unshielded black	1	VDIB1736XUBK
Connector RJ45, keystone unshielded blue	1	VDIB1736XUBU
Connector RJ45, keystone unshielded green	1	VDIB1736XUGR
Connector RJ45, keystone unshielded red	1	VDIB1736XURD
Connector RJ45, keystone unshielded soft grey	1	VDIB1736XUSG
Connector RJ45, keystone unshielded white	1	VDIB1736XUWE
Connector RJ45, keystone unshielded yellow	1	VDIB1736XUYL

With shutter		
Connector RJ45, keystone unshielded shutter black	1	VDIB1734XUBK
Connector RJ45, keystone unshielded shutter blue	1	VDIB1734XUBU
Connector RJ45, keystone unshielded shutter green	1	VDIB1734XUGR
Connector RJ45, keystone unshielded shutter red	1	VDIB1734XURD
Connector RJ45, keystone unshielded shutter soft grey	1	VDIB1734XUSG
Connector RJ45, keystone unshielded shutter white	1	VDIB1734XUWE
Connector RJ45, keystone unshielded shutter yellow	1	VDIB1734XUYL

S-110 40 M Unshielded Cat 6_A

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45 40 M, unshielded translucent	1	VDIB1738XUTN



Connectors

S-110

Category 5e, Category 6, Category 6A,
shielded

- Performance categories: Cat 5e, Cat 6 and Cat 6_A, shielded
- Component certified by 3rd party laboratory
- Material: zamak
- Size: height 22 mm, width 16 mm, length 36 mm
- Applicable standards:
 - ISO/IEC 11801 Ed3.0
 - ANSI/TIA-568-C.2
 - IEC 60603-7-2 Cat 5e connecting hardware
 - IEC 60603-7-4 Cat 6 connecting hardware
 - IEC 60603-7-4-1 Cat 6_A connecting hardware
 - POE+ (30 W) ISO 60512-099-001
- Keystone footprint
- Operational temperature range: -10°C to 60°C
- Individual bag with cabling instructions.

S-110 Keystone shielded Cat 5e

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45 keystone shielded	1	ACTRJSM5ENSS
Connector RJ45 keystone shielded, patch panel version 1		ACTRJSM5ENSSP

S-110 Keystone shielded Cat 6

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45, keystone shielded	1	ACTRJSM6NSS
Connector RJ45, keystone shielded, patch panel version	1	ACTRJSM6NSSP

S-110 Keystone shielded Cat 6 angle

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45, keystone shielded, angled	1	ACTRJSM6ANSS

S-110 Keystone shielded Cat 6_A

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45, keystone shielded,	1	ACTRJSM6ANSS
Connector RJ45, keystone shielded, patch panel version 1		ACTRJSM6ANSSP

S-110 Keystone shielded Cat 6_A angle

Description	Qty/pack	Ref. No
Without shutter		
Connector RJ45, keystone shielded, angled	1	ACTRJSM6ANSS



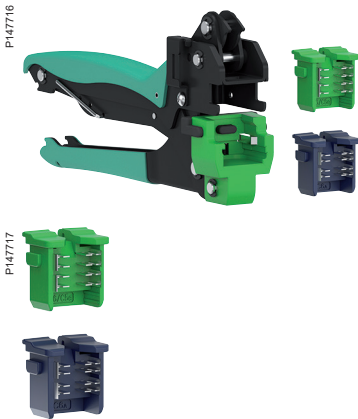


https://www.youtube.com/watch?v=3K7V_OJqAYE

For scanning, download the free Unitag app on unitag.io/app

- Quick termination punchdown tool**
(compatible with new unshielded S-110 Cat 5e, Cat 6 and Cat 6_A)
- Fast and easy field installation tool with simple squeeze handle
 - Handle lock design
 - Replaceable cutting module design
 - Save up termination time over 80 %
 - Save up termination force needed to 70 %
 - Termination of all wires at one single squeeze
 - Ensure quality, stability and safety during termination
 - Easy & handy carrying and storage.

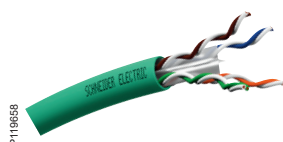
Description	Qty/pack	Ref. No
Quick termination punchdown tool (modules VDIB2736CM included)	1	VDIB2736
Cut modules for punchdown tool (1 for Cat 6 and 1 for Cat 6 _A)	1	VDIB2736CM



Actassi copper cables

This page must be checked by each country. Should contain some regional offer.

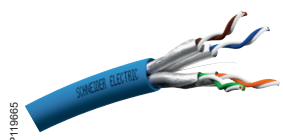
Three ranges that cover all needs



CL-C offer

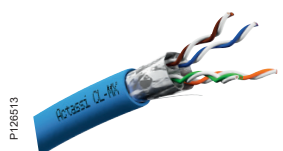
Standard copper LAN cables for your day-to-day installations, based on U/UTP and F/UTP cables, from category 5 to category 6_A.

The CL-C cables are reliable and well-known, with good performance.



CL-MNC offer

High-end copper LAN cables for performances from category 6 to category 7_A 1000 MHz. Exceeding international standards by 3 dB minimum on NEXT. Full FORCE Technology (Delta) certification for components.



CL-MX offer

Exclusively designed LAN copper cables for category 6_A with a patented single-foil metallic Xfiller, providing high performance and reliable shielded installations. Exceeding international standards by 20 dB on NEXT. Full FORCE Technology (Delta) certification for components.

Actassi offer overview

Type of shielding	Performances				
	Cat 5	Cat 5e	Cat 6	Cat 6 _A	Cat 7 _A
U/UTP		CL-C*	CL-C* CL-MNC		
F/UTP	CL-C*	CL-C*	CL-C	CL-C CL-MNC	
SF/UTP			CL-C		
U/FTP			CL-MNC	CL-MNC	
F/FTP				CL-MNC CL-MX	CL-MNC
S/FTP					CL-MNC**

* Available with PVC or D_{CA} (LSZH) material.

** Available with D_{CA} (LSZH) or C_{CA} (LSFRZH) (D_{CA} (LSZH) + improved Fire Resistance) material.

Cable standardisation

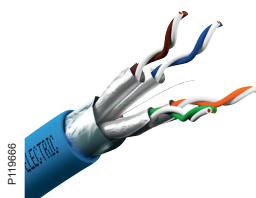
X/X TP

- TP= Twisted Pair
- F= Foil screened, U=Unscreened
- F=Foil screened, S=Braid screened, SF=Braid & Foil screened, U=Unscreened

Actassi copper cables

This page must be checked by each country. Should contain some regional offer.

Some important advantages



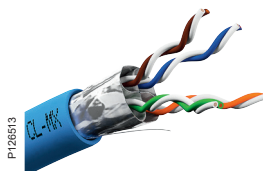
CL-C, CL-MNC, CL-MX conductivity

For the whole offer, the conducting side of the shield is turned outwards. Thus, there is no need to turn the shield inside out before applying the connector to have a good conductivity. You will gain time during installation, there will be no destruction of the shield and you will get very good shielding.



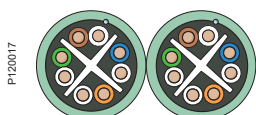
CL-MNC crossfiller with optimized design and micro-blades

With an optimized design and specific micro-blades, you will have better performances in NEXT and ELFEXT, and a better resistance to the mechanical constraints.



CL-MX patented metallic crossfiller

New and patented metallic crossfiller design of the CL-MX LAN copper cable, providing superior shielding, faster installations and increased efficiency.

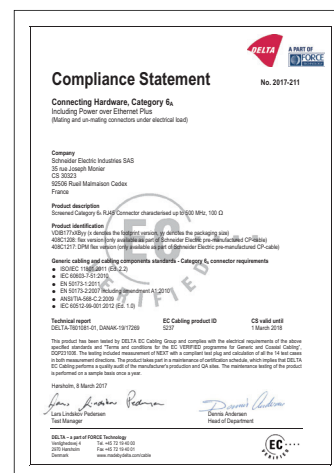
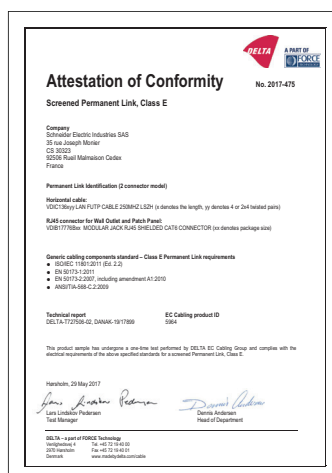


CL-C, CL-MNC, CL-MX dual cables

In order to facilitate cable laying, the majority of our cables are available in dual version. Only one operation to install two cables.

Certificates

All LAN cables from Category 6 are certified at a component level by the independent third-party laboratory FORCE Technology (Delta). Certificates are regularly updated to be compliant to the latest and highest international standards.



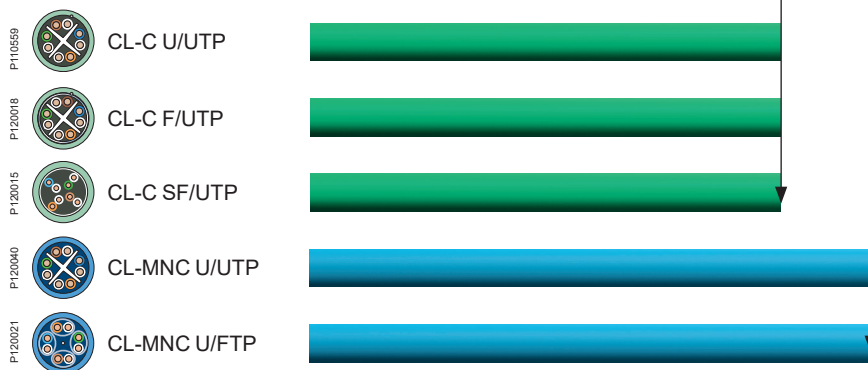
P1478 137 P148 138

Performances

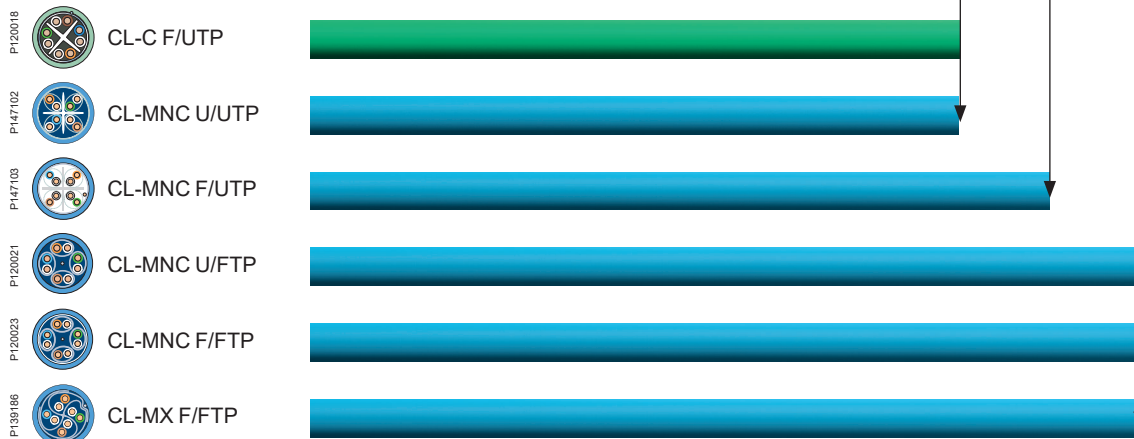
2

Frequency (MHz)	250		500			1000
Attenuation (dB)*	33	33	45.3	45.5	45.3	61.9
NEXT (dB)*	39.3	42.3	34.8	37.8	54.8	60.4
ACR-F (dB)*	20	23	14	17	24	35.3
Propagation speed (%c)	66	66	70	70	82	78

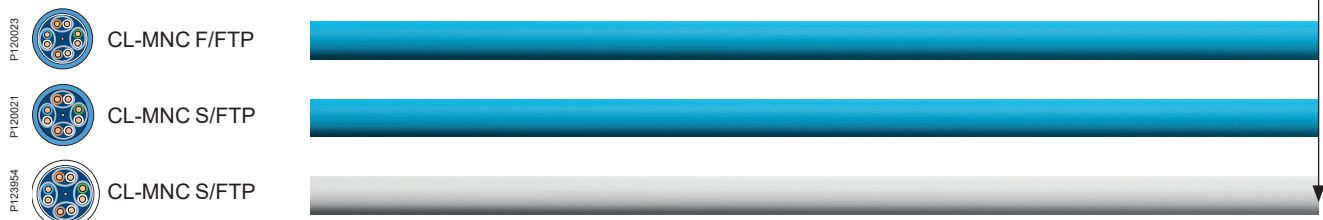
Cat 6



Cat 6_A



Cat 7_A



* Guaranteed characteristics given for 100 meters at maximum frequencies:
250 MHz for category 6, 500 MHz for category 6_A, 1000 MHz for category 7_A.

New Construction Product Regulation CPR Euroclass

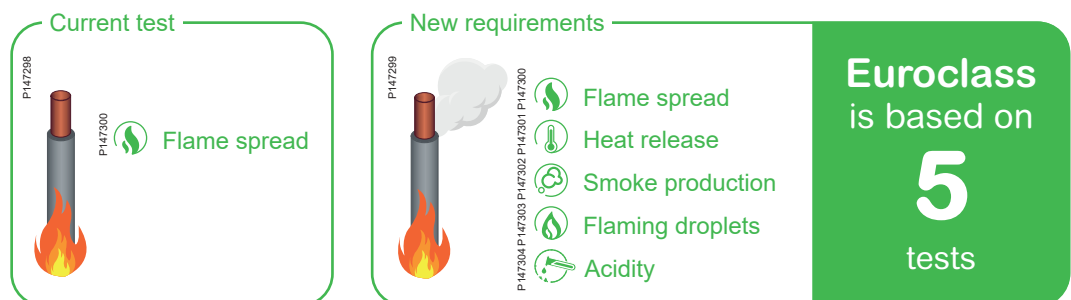
The purpose of this new regulation is to increase security for people and goods inside buildings.

All the communication cables as LAN copper cables or fibre optic permanently installed in buildings sold on the European countries after July 1st 2017 must comply to EN 50575 and new CPR. This new regulation defines a common methodology to evaluate fire performances and ensure the harmonisation of the law at EU level.

All cables will need to be tested, classified and CE marked per the new CPR mandate. Indication of Euroclass level will be mandatory on the packaging label, a declaration of performance is compulsory for each product, available on SE.com website.

Schneider Electric has a comprehensive range of cables available to support these requirements

Euroclass classification



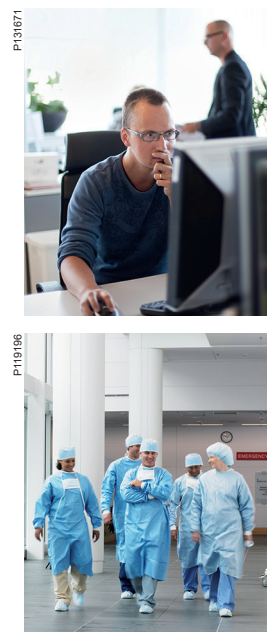
Make the good choice...

Make your choice and advise customers according to:

- Material standard
- Typology of the building
- Typology of people inside the building
- Accessibility of the building
- Cost of the goods to be replaced (check the typology of the installation)

Schneider Electric recommendations

- Promote only Cables and optic fibres **D_{CA}** and **C_{CA}**
- Promote **C_{CA}** Euroclass when risk is high (hospital, high building...)



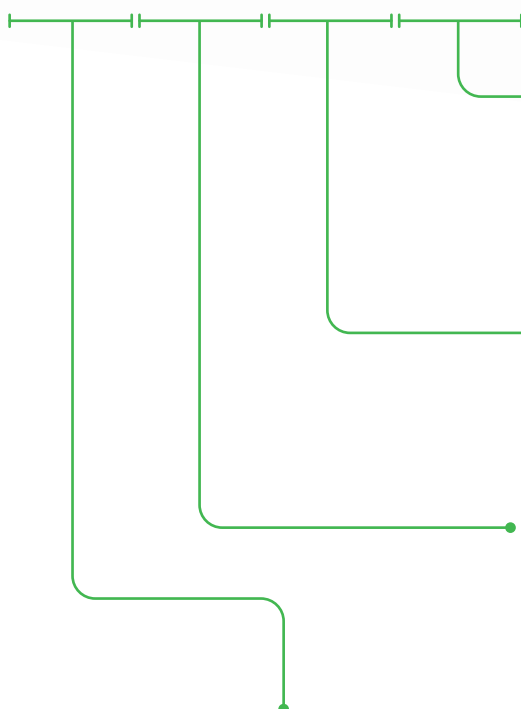


Each cable is certified by an accredited laboratory
The certification is proof of performance.
To know more about CPR :
[link to standard](#)



Example

D_{CA}	s₁	d₁	a₁
-----------------------	----------------------	----------------------	----------------------



a	Acidity
a ₁	Conductivity < 2.5 micro S/mm and pH > 4.3
a ₂	Conductivity < 10 micro S/mm and pH > 4.3
a ₃	No performance determined

d	Flaming droplets
d ₀	No flaming droplets within 1200 s
d ₁	No flaming droplets within persisting longer than 10 s
d ₂	No performance determined

s	Smoke
s ₁	TSP1200 ≤ 50 m ² and Peak SPR ≤ 0.25 m ² /S s _{1a} = s ₁ and transmittance in accordance with EN 61034-2 ≥ 80 % s _{1b} = s ₁ and transmittance in accordance with EN 61034-2 ≥ 60 % < 80 %
s ₂	TSP1200 ≤ 400 m ² and Peak SPR ≤ 1.5 m ² /S
s ₃	No performance determined

F_{CA}	E_{CA}	D_{CA}	C_{CA}	B2_{CA}	B1_{CA}	A_{CA}
-----------------------	-----------------------	-----------------------	-----------------------	------------------------	------------------------	-----------------------

LAN cable / Fibre optic



CPR

5 tests for the new Euroclass ranking



Installer

Check cable conformity and provide the right document to security committee.



Distributor

Check conformity of product sold.



Specifier

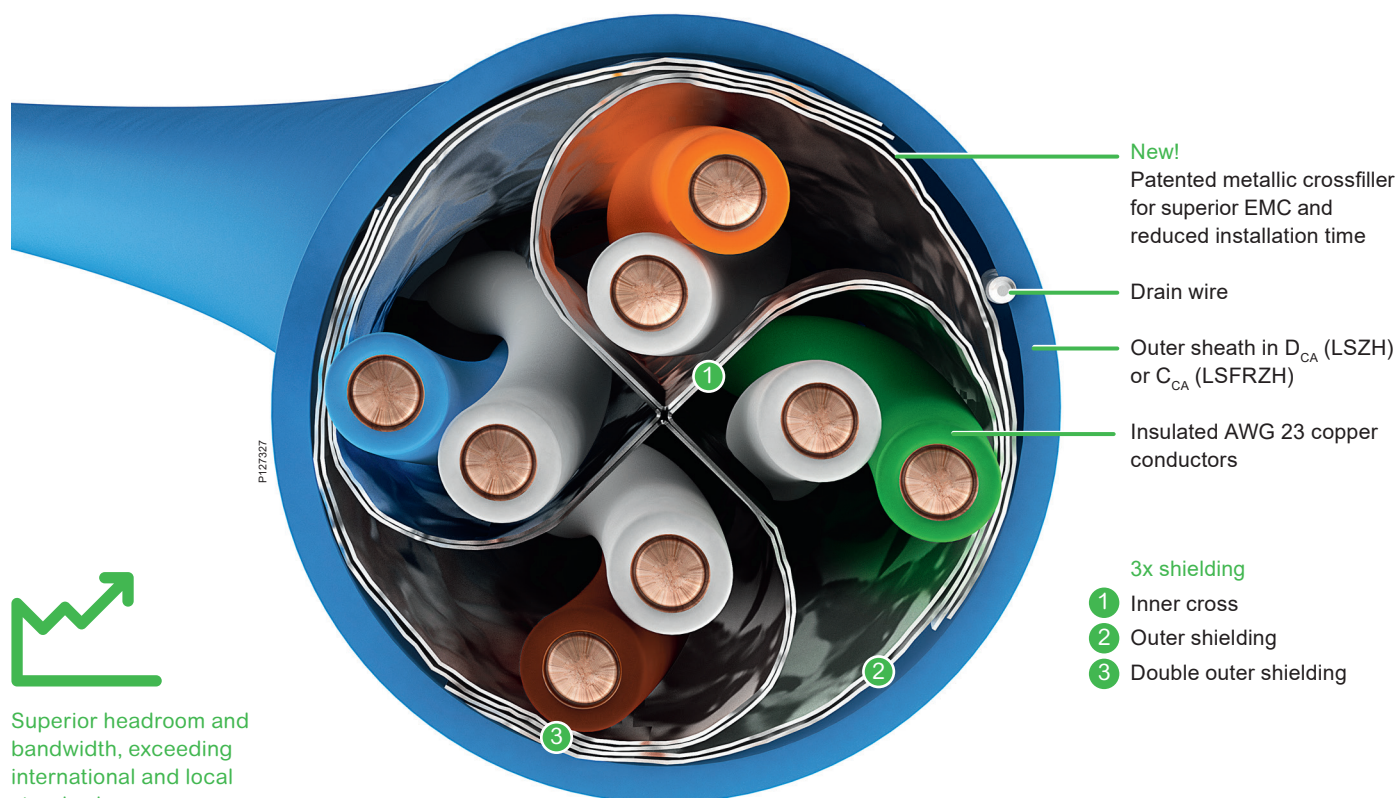
Specify the right solution according to the local laws.

Actassi CL-MX cables

3 times improved performance w 1 new metallic crossfiller

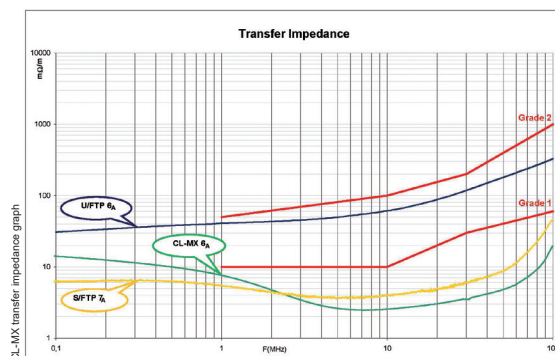
This page must be checked by each country. Should contain some regional offer.

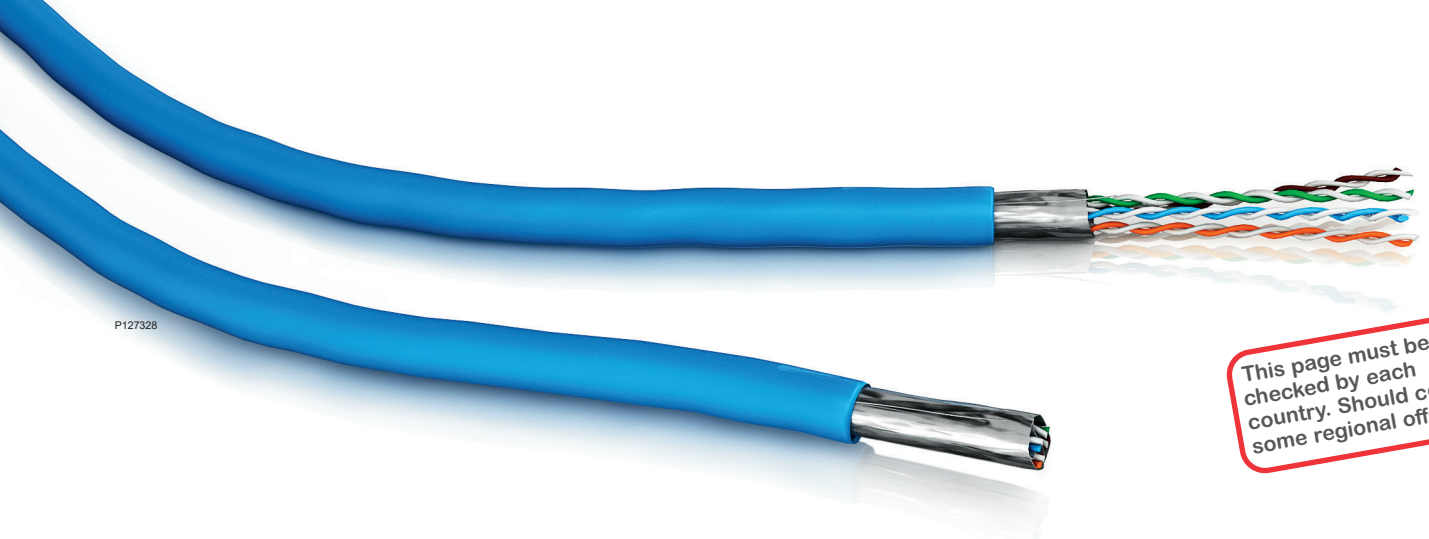
The patented crossfiller brings 3x shielding and superior Electro Magnetic Compatibility (EMC). Thanks to the unique design, the EMC performance is the best in the market with performances exceeding the standard requirements of shielded cables with braid (S/FTP). The metallic crossfiller ensures an improved transfer impedance to fit requirements of sensitive areas where data transmission is critical. Best of all, Actassi CL-MX cables require less operations to be installed.



Designed for improved EMC

High-speed transmission protocols beyond 10 Gbit/s highlight ANEXT sensitivity and noise immunity as key performance factors for efficient, secure and robust installations. The single-foil structure of the metallic crossfiller acts like a triple screen protection around the copper twisted pairs. This specific design enhances EMC performances to reach grade 1 on the transfer impedance parameter, which is better than a shielded design with braid.





This page must be checked by each country. Should contain some regional offer.



The fire properties are documented by standardized methods according to IEC 60332-1, IEC 60332-3C, IEC 60754-1 and IEC 60754-2.

Better link performance

With Actassi CL-MX the installations are easy and safe. According to the international standards for shielded LAN cables, the use of CL-MX cables will require less installation operations:

- No separation distance to power cabling*
- No ANEXT field testing

*EN 50174-2 to be referred

Improved safety in case of fire

Actassi CL-MX is available in two versions, the flame retardant D_{CA} (LSZH) and the fire retardant C_{CA} (LSFRZH). Both are halogen-free. In case of fire, the result of using CL-MX is the reduction of the emissions of opaque smoke and acid gases. Thus, it helps reducing damages to equipment and allows people to escape from the building more easily.

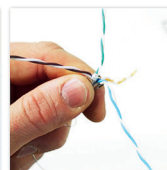


Less cutting with Actassi CL-MX

3x
Three times faster installation with Actassi CL-MX

P130057





Use the cable stripper tool and cut the outer sheath.

Cut the one single foil metallic crossfiller and remove it with a simple grip.

Your CL-MX is ready to connect.

Instead of separate wrapped-in foil pairs (like in traditional F/FTP or F/UTP cables), the Actassi CL-MX new crossfiller is wrapped in one single foil. This means less cutting and improved quality of the cable preparation. No need to pay attention to cutting the foils at exactly the same level, or to the length of the F/UTP plastic cross.

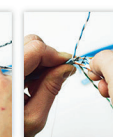
Why traditional F/FTP cables are 3 times slower to install

P130058








Prepare your tools.

Use the cable stripper tool and cut the outer sheath.

Cut the outer foil.

Remove the foil.

Separate all pairs and the drain wire.

Cut and remove the foil of the first pair.

Cut and remove the foil of the second pair.

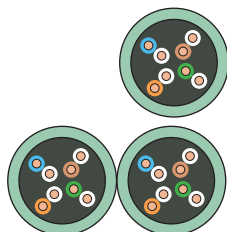
Cut and remove the foil of the third pair.

Cut and remove the foil of the fourth pair.

P119659



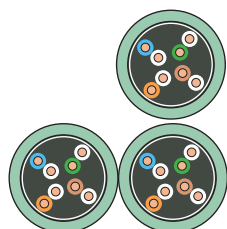
P120014, P120013



P119661



P120016, P120015



CL-C Category 5e Copper LAN cables

CL-C Cat 5e U/UTP

Specifications

- 100 Ohms, 100 MHz, AWG24, 4 pairs or 2x4 twisted pairs without screen
- Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).

For Type 4 PoE, bundle size shall be limited to 32 cables when installed in pathways under ventilated conditions and 10 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and TIA/EIA-568-C.2 standards.

NEXT	Guaranteed	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

Use

- Network cabling systems for category 5 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	30.9 kg/km	4.9 mm	D _{CA}	305 m	VDICD115118
			D _{CA}	500 m	VDICD115218
2x4 pair cable	63.5 kg/km	5.25x11.35 mm	D _{CA}	500 m	VDICD115228

CL-C Cat 5e F/UTP

Specifications

- 100 Ohms, 100 MHz, AWG24, 4 pairs or 2x4 twisted pairs without screen
- Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).

For Type 4 PoE, bundle size shall be limited to 56 cables when installed in pathways under ventilated conditions and 18 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 standards.

NEXT	Guaranteed	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

Use

- Network cabling systems for category 5 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	41.2 kg/km	6 mm	D _{CA}	305 m	VDICD135118
			D _{CA}	500 m	VDICD135218
2x4 pair cable	74.4 kg/km	6x11.8 mm	D _{CA}	500 m	VDICD135228

Cables

EMEAS

CL-C Copper LAN cables - Category 6

CL-C Category 6 Copper LAN cables

CL-C Cat 6 U/UTP

Specifications

- 100 Ohms, 250 MHz, AWG23, 4 pairs or 2x4 pairs without screen
 - Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 58 cables when installed in pathways under ventilated conditions and 21 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2, EN 50288-6-1 and TIA/EIA-568-C.2 standards.

NEXT	Guaranteed	Standard IEC
250 MHz	39.3 dB	≥ 39.3 dB

Use

- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	40.9 kg/km	5.9 mm	D _{CA}	305 m	VDICD116118
	40.9 kg/km	5.9 mm	D _{CA}	500 m	VDICD116218

CL-C Cat 6 F/UTP

Specifications

- 100 Ohms, 250 MHz, AWG24, 4 pairs or 2x4 pairs with overall screen. Cross filler to organize the pairs.
 - Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 82 cables when installed in pathways under ventilated conditions and 29 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-5-1 standards.

NEXT	Guaranteed	Standard IEC
250 MHz	39.3 dB	> 39.3 dB

Use

- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	49 kg/km	7.1 mm	D _{CA}	500 m	VDICD136218
2x4 pair cable	98 kg/km	7.1 x 14.4 mm	D _{CA}	500 m	VDICD136228

CL-C Cat 6 SF/UTP

Specifications

- 100 Ohms, 250 MHz, AWG23, 4 pairs with overall screen and metallic braid
 - Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 91 cables when installed in pathways under ventilated conditions and 33 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-5-1 standards.

NEXT	Guaranteed	Standard IEC
250 MHz	39.3 dB	> 39.3 dB

Use

- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

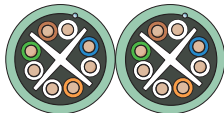
Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	68.5 kg/km	7.6 mm	D _{CA}	500 m	VDICD176218



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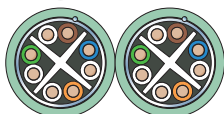
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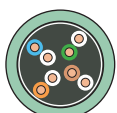
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Cables

EMEAS

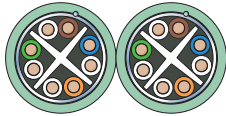
CL-C Copper LAN cables - Category 6A



P120018



P120019



CL-C Category 6_A Copper LAN cables

CL-C Cat 6_A F/UTP

Specifications

- 100 Ohms, 500 MHz, AWG 23, 4 pairs or 2x4 pairs with overall screen
- Cross filler to organize the pairs
- Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).

For Type 4 PoE, bundle size shall be limited to 93 cables when installed in pathways under ventilated conditions and 34 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	34.8 dB	> 34.8 dB

Use

- Network cabling systems for category 6_A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	50 kg/km	7.5 mm	D _{CA}	500 m	VDICD13X218
				1000 m	VDICD13X318
2x4 pair cable	102 kg/km	7.5x 15.2 mm	D _{CA}	500 m	VDICD13X228



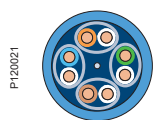
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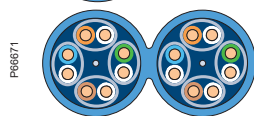
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P86671

CL-MNC Category 6 Copper LAN cables

CL-MNC Cat 6 U/UTP

Specifications

- 100 Ohms, 300 MHz, AWG23, 4 pairs without screen. Cross filler to organize the pairs
- Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).

For Type 4 PoE, bundle size shall be limited to 58 cables when installed in pathways under ventilated conditions and 21 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2, EN 50288-6-1 and TIA/EIA-568-C.2 standards.

NEXT	Guaranteed	Standard IEC
250 MHz	42.3 dB	> 39.3 dB

Use

- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	40.9 kg/km	5.9 mm	D _{CA}	500 m	VDICD616218

CL-MNC Cat 6 U/FTP

Specifications

- 100 Ohms, 300 MHz, AWG23, 4 pairs or 2x4 pairs with individual screens
- Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).

For Type 4 PoE, bundle size shall be limited to 89 cables when installed in pathways under ventilated conditions and 32 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-5-1 standards.

NEXT	Guaranteed	Standard IEC
250 MHz	42.3 dB	> 39.3 dB

Use

- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	48 kg/km	7.1 mm	D _{CA}	500 m	VDICD626218
			D _{CA}	1000 m	VDICD626318
2x4 pair cable	97 kg/km	7.1x14.2 mm	D _{CA}	500 m	VDICD626228

Cables

EMEAS

CL-MNC Copper LAN cables - Category 6A

CL-MNC Category 6A Copper LAN cables

CL-MNC Cat 6A U/UTP

Specifications

- 100 Ohms, 550 MHz, AWG 23, 4 pairs overall screen
 - NVP = 70 %
 - Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 96 cables when installed in pathways under ventilated conditions and 36 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	>36.3 dB	>34.8 dB

Use

- Network cabling systems for category 6A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	60 kg/km	7.7 mm	D _{CA}	500 m	VDICD60X218

CL-MNC Cat 6A F/UTP

Specifications

- 100 Ohms, 550 MHz, AWG 23, 4 pairs and 2x4 pairs with overall screen
 - NVP = 70 %
 - Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 93 cables when installed in pathways under ventilated conditions and 34 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	37.8 dB	> 34.8 dB

Use

- Network cabling systems for category 6A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	50 kg/km	7.5 mm	D _{CA}	500 m	VDICD63X218
				1000 m	VDICD63X318
2x4 pair cable	110 kg/km	7.5x15.2 mm	D _{CA}	500 m	VDICD63X228
4 pair cable	58 kg/km	7.9 mm	C _{CA}	500 m	VDICC63X218
2x4 pair cable	116 kg/km	7.9x15.8 mm	C _{CA}	500 m	VDICC63X228

CL-MNC Cat 6A U/FTP

Specifications

- 100 Ohms, 550 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen
 - NVP = 80 %
 - Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 100 cables when installed in pathways under ventilated conditions and 37 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	54.8 dB	> 34.8 dB

Use

- Network cabling systems for category 6A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	48 kg/km	7.1 mm	D _{CA}	500 m	VDICD62X218
				1000 m	VDICD62X318
2x4 pair cable	97 kg/km	7.1x13.8 mm	D _{CA}	500 m	VDICD62X228
4 pair cable	56 kg/km	8.1 mm	C _{CA}	1000 m	VDICC62X318
2x4 pair cable	112 kg/km	8.1x16.2 mm	C _{CA}	500 m	VDICC62X228



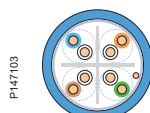
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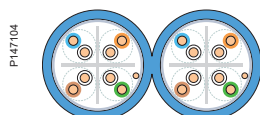
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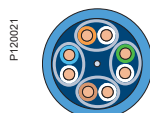
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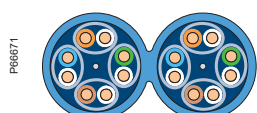
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Cables

EMEAS

CL-MNC Copper LAN cables - Category 6A

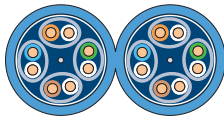
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P120023



P66659



CL-MNC Cat 6A F/FTP

Specifications

- 100 Ohms, 550 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and overall screen
 - NVP = 80 %
 - Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 107 cables when installed in pathways under ventilated conditions and 40 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 5028810-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	54.8 dB	> 34.8 dB

Use

- Network cabling systems for category 6A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	48 kg/km	7 mm	D _{CA}	500 m	VDICD64X218
	50 kg/km	7 mm	D _{CA}	1000 m	VDICD64X318
2x4 pair cable	96 kg/km	7x14.2 mm	D _{CA}	500 m	VDICD64X228
4 pair cable	76 kg/km	8.2 mm	C _{CA}	1000 m	VDICC64X318
2x4 pair cable	152 kg/km	8.2x16.4 mm	C _{CA}	500 m	VDICC64X228

Cables

EMEAS

CL-MNC Copper LAN cables - Category 7A

CL-MNC Category 7A Copper LAN cables

CL-MNC Cat 7A F/FTP

Specifications

- 100 Ohms, 1000 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and overall screen, PiMF construction
 - NVP = 80 %
 - Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 107 cables when installed in pathways under ventilated conditions and 40 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-9-1 standards.

NEXT	Guaranteed	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

Use

- Network cabling systems for category 7A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	57 kg/km	7.5 mm	D _{CA}	500 m	VDICD648218
				1000 m	VDICD648318
2x4 pair cable	162 kg/km	8.4x 16.8 mm	C _{CA}	500 m	VDICC648228

CL-MNC Cat 7A S/FTP

Specifications

- 100 Ohms, 1000 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and metallic braid, PiMF construction
 - NVP = 80 %
 - Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 110 cables when installed in pathways under ventilated conditions and 41 cables in closed metal trays to ensure temperature rise below 15°C.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

Use

- Network cabling systems for category 7A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	59 kg/km	7.3 mm	D _{CA}	500 m	VDICD658218
				1000 m	VDICD658318
2x4 pair cable	118 kg/km	7.3x 14.8 mm	D _{CA}	500 m	VDICD658228

CL-MNC Cat 7A S/FTP

Specifications

- 100 Ohms, 1000 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and metallic braid, PiMF construction
- NVP = 80 %
- Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 116 cables when installed in pathways under ventilated conditions and 44 cables in closed metal trays to ensure temperature rise below 15°C
- Fire retardant properties according to IEC 60332-3C, NF C 32070 2.1, NF C 32070 2.2.

Performances

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

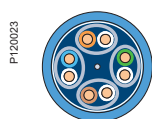
Use

- Network cabling systems for category 7A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

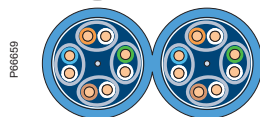
Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	71 kg/km	7.9 mm	C _{CA}	1000 m	VDICC658318
2x4 pair cable	140 kg/km	7.9x16 mm	C _{CA}	500 m	VDICC658228



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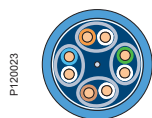
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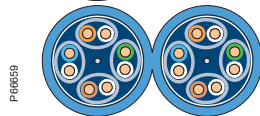
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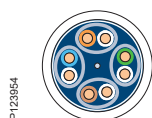
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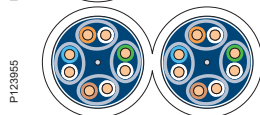
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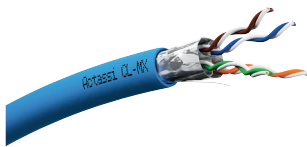


Cables

EMEAS

CL-MX Copper LAN cables - Category 6A

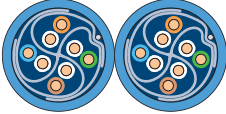
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CL-MX Category 6A Copper LAN cables

CL-MX Cat 6A F/FTP

Specifications

- 100 Ohms, 550 MHz, AWG23, 4 pairs and 2x4 pairs with patented single-foil metallic crossfiller design
 - Superior EMC performances: grade 1 Transfer Impedance
 - Quick and simple twin removal actions for the sheath and the shield
 - NVP = 82 %
 - Fire retardant properties for C_{CA} (LSFRZH) version according to IEC 60332-3C, NF C 32070 2.1, NF C 32070 2.2
 - Compatible with all PoE applications up to 4-pair PoE Type 4 (100 W maximum @ Power Source Equipment).
- For Type 4 PoE, bundle size shall be limited to 106 cables when installed in pathways under ventilated conditions and 39 cables in closed metal trays to ensure temperature rise below 15°C.

Standards

- Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	54.8 dB	> 34.8 dB

Use

- Network cabling systems for category 6A voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Euroclass	Cond/Length	Ref. No
4 pair cable	54 kg/km	7.3 mm	D _{CA}	500 m	VDICD68X218
4 pair cable	54 kg/km	7.3 mm	D _{CA}	1000 m	VDICD68X318
2x4 pair cable	108 kg/km	7.3x14.8 mm	D _{CA}	500 m	VDICD68X228
4 pair cable	63 kg/km	7.7 mm	C _{CA}	500 m	VDICC68X218
2x4 pair cable	126 kg/km	7.7x15.6 mm	C _{CA}	500 m	VDICC68X228

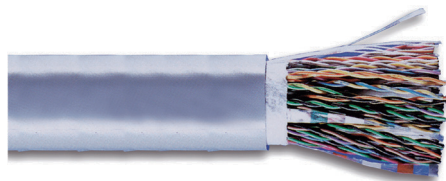


Cables

APAC

CL-C Copper LAN cables - Category 3

CAB3050005_Cat3 50P



ACT25P3UCR3RGY

CL-C Cat 3 UTP Multi pair cable

Specifications

- 24 AWG, 25 twisted pairs
- Compliant with ANSI/TIA/EIA-568C Category 3 standard
- IEC LSZH fire retardant tested.

Use

- Telephony or IEEE 802.3 10 Base-T applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
25 pair cable	223 kg/km	11 mm	PVC - CMR	305 m	ACT25P3UCR3RGY
	198.4 kg/km	11 mm	LSZH	305 m	ACT25P3ULS3RGY
50 pair cable	351.6 kg/km	15.8 mm	PVC - CM	305 m	ACT50P3UCM3RGY
	332.8 kg/km	15.8 mm	PVC - CMR	305 m	ACT50P3UCR3RGY
	336.1 kg/km	15.8 mm	LSZH	305 m	ACT50P3ULS3RGY
100 pair cable	657.4 kg/km	22 mm	PVC - CMR	305 m	ACT100P3UCR3RGY
			LSZH	305 m	ACT100P3ULS3RGY

Cables

APAC

CL-C Copper LAN cables - Category 5e

Category 5e PVC cables

The Actassi Category 5e 4-pair cable consists of 24 AWG (0.51 mm) solid-copper conductors insulated with high-density polyethylene. The insulated conductors are tightly twisted into pairs and covered with PVC material.

The Actassi Category 5e 4-pair cable provides excellent high-speed transmission, is certified to 100 MHz. This product is CM or CMR fire rated.

Category 5e LSZH cables

The Actassi Category 5e low smoke zero halogen (LSZH) 4-pair cable consists of 24 AWG (0.51 mm) solid-copper conductors insulated with high-density polyethylene. The insulated conductors are tightly twisted into pairs and covered with a non-halogen high-density polyethylene jacket made from low smoke zero halogen compounds.

The Actassi Category 5e LSZH 4-pair cable provides excellent high-speed transmission, and certified to 155 MHz. This product is CM fire rated.

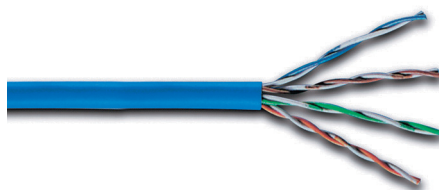
Product features

- Compliant with enhanced Category 5 standard.

Customer benefits

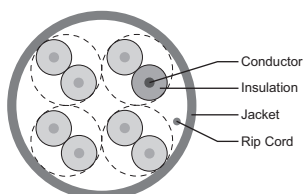
- Ideal for high-speed networks and broadband distribution in the premise
- Suits horizontal and vertical wiring.

2D4P5P/3B_Cat5e UTP PVC

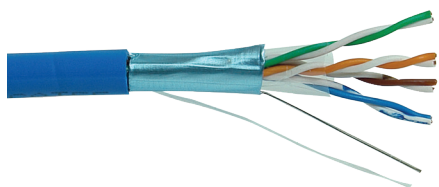


ACT4P5EULS3RBBU

Cat5e UTP Cable_dwg



CAB5E305FTP



ACT4P5ESCR3RBBU

CL-C Cat 5e U/UTP

Specifications

- 24 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

- Compliant to: IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (smoke emission), IEC 60332-1 (flammability and Fire Retardant).

NEXT	Guaranteed	Standard IEC
100 MHz	38.3 dB	≥ 35.3 dB

Use

- Applications such as 155 Mb/s ATM, 622 Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit ethernet) standards, using parallel transmission technology.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	42 kg/km	4.8 mm	PVC - CM	305 m	ACT4P5EUCM3RBxx
			LSZH	305 m	ACT4P5EULS3RBxx

Where **xx** denotes the color of jacket: BU = blue, WE = white, BK = black, GY = grey, GR = green, RD = red, YL = yellow.

CL-C Cat 5e F/UTP

Specifications

- 24 AWG. 4 pairs. Centre filler to maintain pair twisting
- Wrapped with aluminum foil as binder
- PE insulation of conductors.

Performances

- Compliant to: IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (smoke emission), IEC 60332-1 (flammability and Fire Retardant).

NEXT	Guaranteed	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

Use

- Applications such as 155 Mb/s ATM, 622 Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit ethernet) standards, using parallel transmission technology.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	42 kg/km	5 mm	PVC - CM	305 m	ACT4P5ESCM3RBxx
			LSZH	305 m	ACT4P5ESLS3RBxx

Where **xx** denotes the color of jacket: BU = blue, WE = white, BK = black, GY = grey, GR = green, RD = red, YL = yellow.



Cables

APAC

CL-C Copper LAN cables - Category 5e

Category 5 25-pair cable is constructed of 24 AWG (0.5 mm) solid-copper conductors insulated with high density polyethylene. The insulated conductors are tightly twisted into pairs, stranded into mini-units. This construction allows for easy pair identification and subsequent termination.

Category 5 25-pair cable provides excellent high-speed transmission, certified to 100 MHz and supports applications such as 155 Mb/s ATM, 622 Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit ethernet) standards, using parallel transmission technology or as a high performance voice riser cable. This product is CMR fire rated for riser use.

Category 5e 25-pair cable allows the use of multi-pair cables in interconnects and zone cabling applications. The 25-pair cable construction reduces tray and conduit fill rates whilst allowing high-density interconnections.

Product features

- Compliant with enhanced Category 5 standard
- PE insulation of conductors
- Grey PVC jacket.

Customer benefits

- Ideal for high-speed networks and broadband distribution in the premise
- Suits horizontal and vertical wiring.

CL-C Cat 5e UTP Multi pair cable

Specifications

- 24 AWG. 25 twisted pairs.

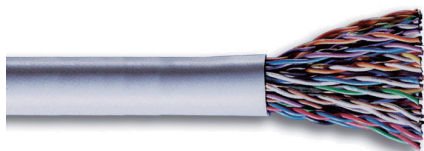
NEXT	Guaranteed	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

Use

- Interconnect and zone cabling applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
25 pair cable	184 kg/km	12.5 mm	PVC - CM	305 m	ACT25P5EUCM3RGY
			PVC - CMR	305 m	ACT25P5EUCR3RGY
			LSZH	305 m	ACT25P5EULS3RGY

CAB5E025305_Cat5e 25P



ACT25P5EUCR3RGY

Cables

APAC

CL-C Copper LAN cables - Category 6

Category 6 PVC cables

The Actassi 4-pair Category 6 cable is a superior product delivering excellent network performance when used in conjunction with other Actassi Category 6 products.

The Category 6 cable consists of 4 pairs of solid insulated copper 23 AWG and is CM or CMR fire rated.

The Category 6 cable provides a significant margin above the minimum Category 6 near end crosstalk NEXT requirement of ANSI/TIA/EIA-568 and ISO/IEC 11801.

Category 6 LSZH cables

The availability of a central filler helps in delivering superior cross-talk isolation and therefore ensures excellent performance. This precision and unique manufacturing process design allows for easy removal, which maximizes both performance and termination.

Insulated with non-halogen high-density polyethylene and covered with low smoke zero halogen compounds. It is designed for use in horizontal cabling situations where building smoke requirements mandate low smoke and zero halogen installation.

Product features

- Centre filler to maintain pair twisting and optimum NEXT and ELFEXT performance
- 23 AWG conductors for improved insertion loss performance.

Customer benefits

- Exceeds Category 6 ANSI/TIA/EIA-568-C2-1 and ISO/IEC 11801 standards
- Supports Gigabit ethernet (1000 Base-T and 1000 Base-TX) and beyond.

CL-C Cat 6 U/UTP

Specifications

- 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

- Compliant to: ISO/IEC 11801 Class E, IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (smoke emission), IEC 60332-1 (flammability and Fire Retardant).

NEXT	Guaranteed	Standard IEC
250 MHz	41.3 dB	≥ 39.3 dB

Use

- In horizontal cabling situations
- LSZH cables: high-bandwidth applications, including the IEEE 802.3AB 1000 Base-T (Gigabit ethernet), TIA/EIA 1000 Base-TX, 1.2Gb/s ATM and any future applications designed for Category 6/Class E cabling, broadband video.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	40 kg/km	6 mm	PVC - CM	305 m	ACT4P6UCM3RBxx
			PVC - CMR	305 m	ACT4P6UCR3RBxx
			LSZH	305 m	ACT4P6ULS3RBxx

Where **xx** denotes the color of jacket: BK = black, BU = blue, GR = green, RD = red, SG = soft grey, WE = white, YL = yellow.

CL-C Cat 6 F/UTP

Specifications

- 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

- Compliant to: ISO/IEC 11801 Class E, IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (smoke emission), IEC 60332-1 (flammability and Fire Retardant).

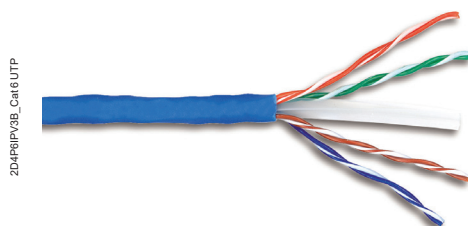
NEXT	Guaranteed	Standard IEC
250 MHz	41.3 dB	≥ 39.3 dB

Use

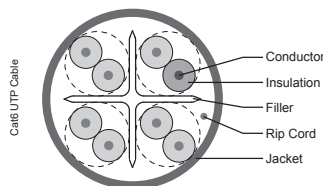
- In horizontal cabling situations
- LSZH cables: high-bandwidth applications, including the IEEE 802.3AB 1000 Base-T (Gigabit ethernet), TIA/EIA 1000 Base-TX, 1.2Gb/s ATM and any future applications designed for Category 6/Class E cabling, broadband video.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	52.5 kg/km	7.3 mm	PVC - CM	305 m	ACT4P6SCM3RBxx
			LSZH	305 m	ACT4P6SLS3RBxx

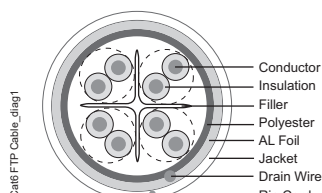
Where **xx** denotes the color of jacket: BK = black, BU = blue, GR = green, RD = red, SG = soft grey, WE = white, YL = yellow.



2D4P6PVC3B_Cat6 UTP
ACT4P6UCM3RBxx
ACT4P6UCR3RBxx
ACT4P6ULS3RBxx



2D4P6PVCFTP3_Cat6 FTP PVC1
ACT4P6SCM3RBxx
ACT4P6SLS3RBxx



Cables

APAC

CL-MNC Copper LAN cables Category 6A

Actassi Cat 6A 4-pair cable is a high quality product delivering excellent network performance when using in conjunction with other Actassi Cat 6A products.

The Cat 6A cable consists of 4 pairs of solid insulated copper 23 AWG. The cable provides a significant margin above the Category 6A Alien Crosstalk (ANEXT) requirement of TIA/EIA 568-C.2 Category 6A and ISO/IEC 11801 Class Ea.

CL-MNC Cat 6A U/UTP

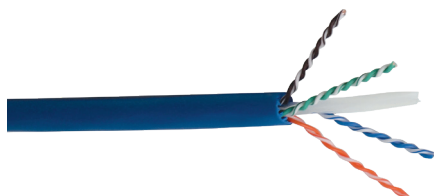
Specifications

- 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

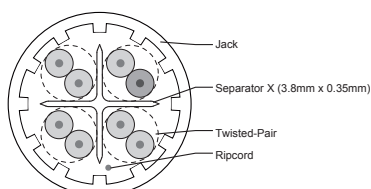
- Complies with TIA/EIA-568-C.2 Category 6A and ISO/IEC 11801 Class Ea standards.

P7190170



ACTTG4P6AUCM3RBU

10G UTP Cable



NEXT	Guaranteed	Standard IEC
500 MHz	35.8 dB	≥ 34.8 dB

Use

- In horizontal cabling situations
- Support 10G Base-T, 1000 Base-T and 1000 Base-TX LANs and broadband video applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	44.3 kg/km	8.5 mm	PVC - CM	305 m	ACTTG4P6AUCM3RBU
			LSZH	305 m	ACTTG4P6AULS3RWE

CL-MNC Cat 6A F/UTP

Specifications

- 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

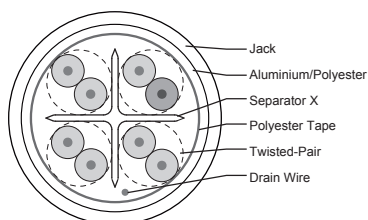
- Complies with TIA/EIA-568-C.2 Category 6A and ISO/IEC 11801 Class Ea standards.

P148045



ACTTG4P6ASLS3RWE

Cross view



NEXT	Guaranteed	Standard IEC
500 MHz	35.8 dB	≥ 34.8 dB

Use

- In horizontal cabling situations
- Support 10G Base-T, 1000 Base-T and 1000 Base-TX LANs and broadband video applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	44.3 kg/km	7.3 mm	PVC - CM	305 m	ACTTG4P6ASCM3RBU
			LSZH	305 m	ACTTG4P6ASLS3RWE

P4602250



Tool

Description

Cable stripper

- Allow to strip the cable sheath
- Adapted to all Actassi cables (CL-C, CL-MNC and CL-MX) to fit all cable diameters and sheath thicknesses
- Recommended tool for fast preparation and installation of Actassi CL-MX cables.

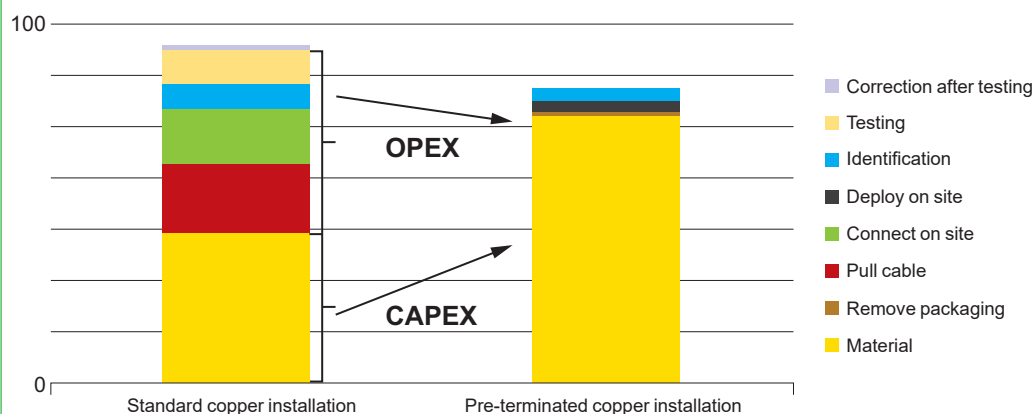
Type	EAN code	Ref. No
Cable stripper	3606480186127	VDIR580021

Actassi pre-terminated copper bundle solutions

One product range to fit every need

Actassi standard offer	Actassi CL-MLink cables
■ In buildings: from technical room to workspace ■ In data centers: from rack to rack	
Components assembled by customer  ■ LAN copper cables  ■ RJ45 Connectors  ■ CP-Links  ■ Copper patch cords	Schneider Electric pre-assembled components for customer  Female-Female: ■ S-One to S-One ■ S-One DPM to S-One DPM  Female-Male: ■ S-One to RJ45 plug ■ S-One DPM to RJ45 plug  Male-Male: ■ RJ45 plug to RJ45 plug
Cable cut on site	Pre-assembled with custom cable length

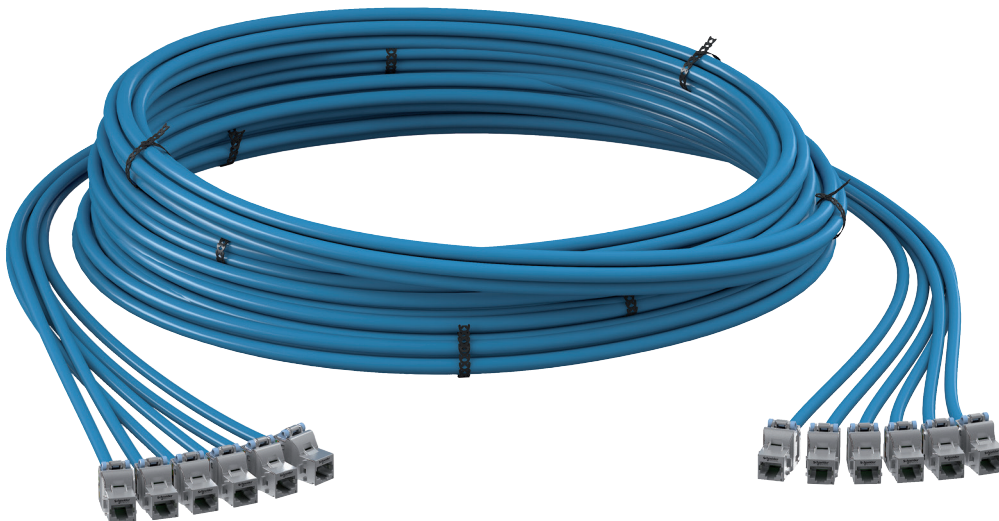
CL-MLink contributes to the End User Total Cost of Ownership optimization



CL-MLink contributes to OPEX reduction

Answering high reliability and speed deployment needs

Actassi CL-MLink is Schneider Electric's new solution for buildings and data centre applications. It delivers the features and functionality necessary to meet the unique challenges and requirements of these demanding environments.



P146882-73 eps

2

High security for your network

- > Complete plug & play systems
- > Expertise: 100 % pre-assembled and 100 % pre-tested by Schneider Electric
- > 10G performance
- > Pre-term links with Schneider Electric warranty
- > Available in Cat 6 and Cat 6A, shielded and unshielded

Costs and time savings

- > Actassi CL-MLink's target is zero downtime. The pre-assembled cable with Actassi S-One connectors enable a speedy deployment and reduce labor costs by saving on installation time compared to standard copper installations
- > Increase overall efficiency and avoid late penalties at your construction site
- > Save on installation time with custom labels on each port that identify the building, floor, cabinet or office number

Scalable and adaptable

- > Increase flexibility in network offices
- > Pay as you grow
- > Scalability with consolidation points
- > Custom cable lengths adjust to end user needs
- > Delivered in step with site evolution

Time secured for installation on site

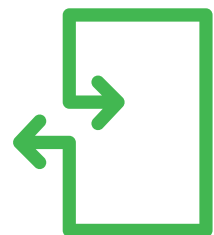
- > 8x faster installation compared to standard copper offer. Save connection time on site
- > Delivery secured
- > Links offer fast and easy deployment that reduces human intervention on site

An end-to-end network installation

- > Benefit from partnering with one supplier. Access the larger Schneider Electric offer for BMS, UPS, Cooling, CMS
- > Solutions for a broad range of projects and applications
- > Digital offer selection guides

Energy efficient thanks to "Green environment"

- > Packaging reduced by 90 %
- > Custom cable lengths reduce waste



Plug & Play copper bundle solution



Pre-terminated solution

CL-MLink

EMEAS Bundles

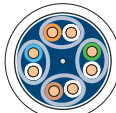
Pre-terminated bundles are manufactured according to your requirements with the components pictured below. Configurations are introduced on the following pages. To select the reference and links, use the configurator available at:

<http://www.schneider-electric.com/en/product-range-selector/61003-actassi-foreurope/?filter=business-5-installation-systemsand-control&parent-category-id=3800>

> Connectors

Type	UTP	UTP DPM	STP	STP DPM	
Category	Cat 6	Cat 6	Cat 6	Cat 6	
P121212		P124007 	P121215 	P124010 	

> Cables

Type	U/UTP	F/UTP	S/FTP	S/FTP	
Category	Cat 6	Cat 6	Cat 6 / Cat 6A	Cat 6A	
AWG	23	24	26	23	
Color	Green	Green	White	Blue	
Euroclass	D _{CA} (LSZH)	D _{CA} (LSZH)	C _{CA} (LSFRZH)	C _{CA} (LSFRZH)	
P110559		P120018 	P123554 	P120021 	

> Aggregation

Choose between two aggregations:

- With rapstrap for buildings and data centers applications.
- Rapstrap and a black plastic braided sheath at each female extremity for data center applications.

	Rapstrap + Black plastic braided sheath	Rapstrap
	P146892 + P146894 	P146894 
Female-Female	P146872 	P146892 
Female-Male	P146873 	P146893 
Male-Male		P146874 

The black plastic braided sheath is a reliable aggregation for data center which offers protection for your female connectors.

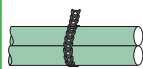
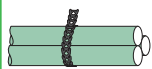
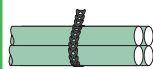
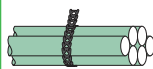
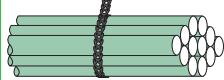
> Configurations

Female - Female	Female - Male	Male - Male
P146881 	P146880 	P146879 

UTP	UTP DPM	STP	STP DPM	UTP / STP
Cat 6 _A	Cat 6 _A	Cat 6 _A	Cat 6 _A	Cat 6 / Cat 6 _A
P121213 	P124006 	P121216 	P124009 	P146869 

U/UTP	F/FTP
Cat 6 _A	Cat 6 _A
23	23
Blue	Blue
D _{CA} (LSZH)	D _{CA} (LSZH)
P130057 	P120021 

> Links

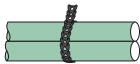
1 cable	2 cables	3 cables	4 cables	6 cables	12 cables
P122481 	P122482 	P122483 	P146878 	P122484 	P122485 



Pre-terminated solution

CL-MLink

EMEAS Bundles

Bundle type		Connector type		Cable type	Number of link	
	P121215		P120023		1	2
						
Female / Female						
	Cat 6	UTP	S-One connector	U/UTP	VDITBA01A	
			S-One DPM connector	U/UTP	VDITBB01B	
		STP	S-One connector	F/UTP	VDITAA02A	
			S-One DPM connector	F/UTP	VDITAB02B	
			S-One connector	S/FTP	VDITAA03A	
			S-One DPM connector	S/FTP	VDITAB03B	
	Cat 6A	UTP	S-One connector	U/UTP	VDITDA05A	
			S-One DPM connector	U/UTP	VDITDB05B	
		STP	S-One connector	F/FTP	VDITCA07A	
			S-One DPM connector	F/FTP	VDITCB07B	
			S-One connector	S/FTP AWG 26	VDITCA03A	
			S-One connector	S/FTP	VDITCA04A	
			S-One DPM connector	S/FTP AWG 26	VDITCB03B	
			S-One DPM connector	S/FTP	VDITCB04B	
Female / Male						
	Cat 6	UTP	S-One connector / RJ45 plug	U/UTP	VDITBA01D	
			S-One DPM connector / RJ45 plug	U/UTP	VDITBB01D	
		STP	S-One connector / RJ45 plug	S/FTP AWG 26	VDITAA03D	
			S-One DPM connector / RJ45 plug	S/FTP AWG 26	VDITAB03D	
	Cat 6A	STP	S-One connector / RJ45 plug	S/FTP AWG 26	VDITCA03D	
			S-One DPM connector / RJ45 plug	S/FTP AWG 26	VDITCB03D	
Male / Male						
	Cat 6	UTP	RJ45 plug	U/UTP	VDITBD01D	
		STP	RJ45 plug	S/FTP AWG 26	VDITAD03D	
	Cat 6A	STP	RJ45 plug	S/FTP AWG 26	VDITCD03D	

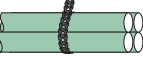
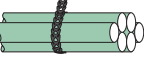
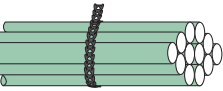


QR Code 106481120223529385

Use your phone and select the gen code in order to build your CL-MLink reference with the configurations table above in our pre-terminated offers at:

<http://www.schneider-electric.com/en/product-range-selector/61003-actassi-foreurope/?>

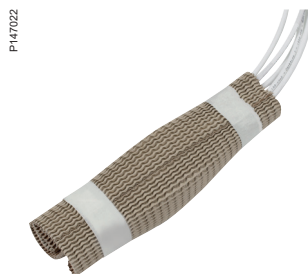
Flash the code and configure your CL-MLink product in our pre-terminated offers.

				Performance	Available length
	3	4	6	12	
P122483		P146978		P122484	
			P122485		
				ISO/IEC 11801 Class E PL2	10 to 90 m
				ISO/IEC 11801 Class E PL2	10 to 90 m
				ISO/IEC 11801 Class E PL2	10 to 90 m
				ISO/IEC 11801 Class E PL2	10 to 90 m
				ISO/IEC 11801 Class E PL2	7 to 60 m
				ISO/IEC 11801 Class E PL2	7 to 60 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class Ea PL2	7 to 60 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class Ea PL2	7 to 60 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class E PL3	5 to 40 m
				ISO/IEC 11801 Class E PL3	5 to 40 m
				ISO/IEC 11801 Class E PL3	5 to 40 m
				ISO/IEC 11801 Class E PL3	5 to 40 m
				ISO/IEC 11801 Class Ea PL3	5 to 40 m
				ISO/IEC 11801 Class Ea PL3	5 to 40 m
				ISO/IEC 11801 Patch Cord Cat 6	1 to 60 m
				ISO/IEC 11801 Patch Cord Cat 6	1 to 60 m
				ISO/IEC 11801 Patch Cord Cat 6A	1 to 60 m



> Packaging

Your bundles will be delivered with a carefully closed carton end protection for connectors.



P147022



Pre-terminated solution

CL-MLink

APAC

Bundles - Category 6A F/UTP

Actassi pre-terminated copper trunk cable provides simple plug-and-play solution for high density network.

With the flexibility for customization, users can choose their own configuration with different length, connector type. Optional angled jack to angled jack connector to aid high density environment application.

In addition, 100 % factory tested copper assemblies assure transmission performance and reduce installation time caused by field termination.

Product features

- Double ended with 6-connector construction
- 100 % factory tested
- Individual serial number.

Customer benefits

- Fast installation by plug & play
- Reliable solution to supports 10 Gigabit ethernet application
- Increase visibility of back tracking.

Description	Ref. No
Jack-to-jack	
Pre-terminated Category 6A F/UTP, jack-to-jack, 6 pieces bundled, LSZH, white	ACTPTCJJ6ASLSxxWE

Where **xx** denotes the cable length from 02 m to 90 m.

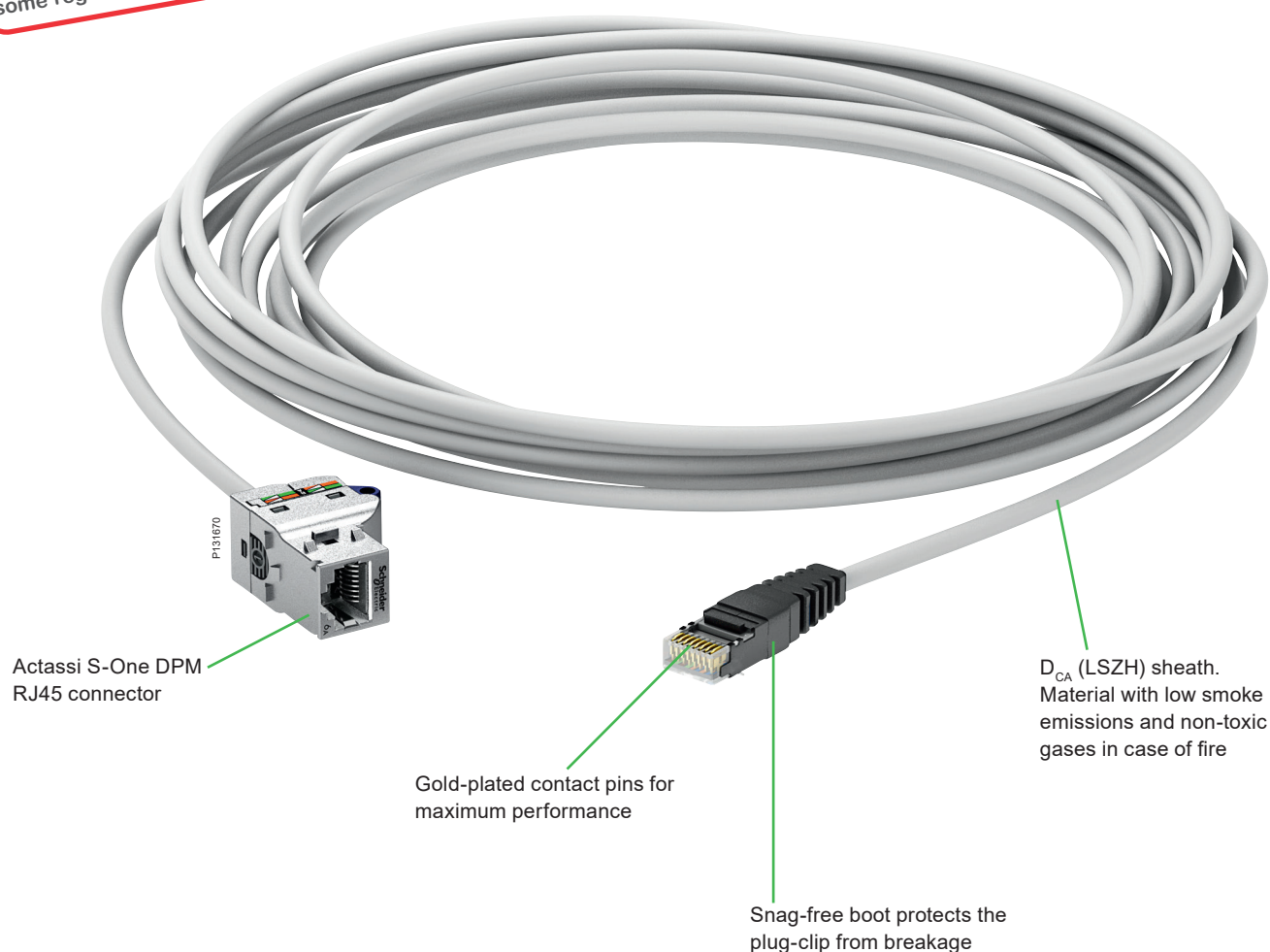
Actassi consolidation point links

CP-links are used when it is needed to provide a high quality level and a high transmission link performance. The cable is pre-assembled with the Actassi S-One connector. No connection to do on site, just plug & play, which reduces errors and maintenance.

Applications

Consolidation point links (called "CP-links") are aimed for new buildings, big refurbish and critical installations within technical and server rooms, either in false floor and false ceiling areas.

This page must be checked by each country. Should contain some regional offer.



Specifications

- CP link Cat 5e, 6 and 6A are pre-assembled with the following components:
 - S-One connector Cat 6A
 - cable Cat 5e U/UTP and F/UTP
 - cable Cat 6 U/UTP and S/FTP
 - cable Cat 6A S/FTP (white colour)
 - RJ45 Plug
- High performance: Cat 6A for copper systems, standard & system warranty
- Compliant with: ISO/IEC 11801 Ed3.0, EN 50173 Ed.3, EIA/TIA 568-C.2, IEC 60603-7, IEC 61156-5
- Full latest standards FORCE Technology (Delta) certified - EN 50173 Ed.3., EIA/TIA 568 - C.2.

Benefits

- Plug & play: 100 % pre-assembled and pre-tested link
- Available in 3 catalogue lengths: 5 m, 10 m, 15 m
- Quick and easy installation
- D_{CA} (LSZH) cable use
- Full compatibility for installations with Schneider Electric poles and posts.

Application

Ensures and gives transmission of data networks.

P134750

**CP Cabling link CL-C Cat 5e**

Type	Colour of sheath	Length (m)	Ref. No
U/UTP Cat 5e D _{CA} DPM	Green	5	VDICP1500501
		10	VDICP1501001
		15	VDICP1501501
F/UTP Cat 5e D _{CA} DPM	Green	5	VDICP3500501
		10	VDICP3501001
		15	VDICP3501501

P138750

**CP Cabling link CL-MNC Cat 6**

Type	Colour of sheath	Length (m)	Ref. No
U/UTP Cat 6 D _{CA} DPM	Green	5	VDICP1600501
		10	VDICP1601001
		15	VDICP1601501
S/FTP Cat 6 D _{CA} DPM	White	5	VDICP4600502
		10	VDICP4601002
		15	VDICP4601502

P131670

**CP Cabling link CL-MNC 6A CP Cabling S/FTP Cat 6A**

Type	Colour of sheath	Length (m)	Ref. No
D _{CA} cable with DPM connector	White	5	VDICP4X00501
		10	VDICP4X01001
		15	VDICP4X01501

P131670



Actassi copper patch cords

New range of Actassi patch cords are more green, more flexible, 100% tested and third-party certified



Featuring Cat 6 U/UTP, Cat 6 F/UTP, and Cat 6_A S/FTP, the range is available in LSZH or PVC outer sheath, offering 5 different colors and lengths.

Following Schneider Electric's sustainable engagement, Actassi patchcords are now packaged and delivered with the best product quality in a flat brown-carton for a better environmental footprint with less plastic, fewer inks and chemical substances.



Applications

Actassi copper patch cords ensure a reliable transmission in data networks. They are suitable for both shielded and unshielded needs.

Benefits

The improved design of the new range of patch cord offers:

- 40% diameter reduction for a better installation experience
- improved flexibility that enables easy patching while finalizing racks
- simplified high-density patching management and improved heat circulation for better thermal management around the switches
- simplified patch cord reference numbers easily identified with the naming principle.

Principle of reference numbers

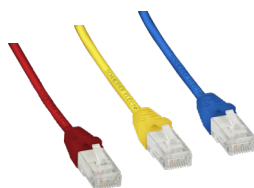
ACT PC 6A SF LS 30 BU						
ACT	PC	C	S	QQ	xx	yy
Range type		Category	Shielding	Cable jacket	Length	Color
ACT = Actassi	PC = Patch cord	6 6A	SF = S/FTP FU = F/UTP UU = U/UTP	CM = PVC LS = LSZH	For example: 30 = 3.0 meters 05 = 0.5 meters	For example: BU = Blue

e.g.:

- ACTPC6ASFLS30GR = ACT = Actassi, PC = Patch cord, 6A = Category, SF = Shielding, LS = Cable jacket, 30 = Length, GR = Green
- ACTPC6ASFCM10RD = ACT = Actassi, PC = Patch cord, 6A = Category, SF = Shielding, CM = Cable jacket, 10 = Length, RD = Red



Cat 6 U/UTP patch cord


 ACTPC6UUCMxxyy
 ACTPC6UULSxxyy

Cat 6 F/UTP patch cord


 ACTPC6FUCMxxyy
 ACTPC6FULSxxyy

Cat 6 S/FTP patch cord


 ACTPC6ASFCMxxyy
 ACTPC6ASFLSxxyy

Standard Compliance

- 100% tested at the final control according to TIA-568.2-D and ISO/IEC11801-1 standards.
- Support Power over Ethernet (POE) applications up to 100 W (IEEE802.3af, EE802.3at, and IEEE802.3bt Type 3 and Type 4).
- Certified each year by a third-party laboratory (also recognized as Notified Body by European Union).
- Compliant with latest international standards TIA-568.2-D and ISO/IEC11801-1.
- Compliant with environmental and safety standards 2011/65/EU and 2015/863/EU RoHS directives and 2014/35/EU low voltage directive.
- Meet local regulations, CE for Europe, and RCM for Australia.
- The product and its packaging are compliant with ROHS and REACH. It also meets the SE Green Premium program.
- The product delivery includes its environmental profile showing limited environmental impacts during Manufacturing, Distribution, Installation, Use, and End of life.

Specifications

- The outer sheath of the patch cord is LSZH or PVC.
- The PVC outer sheath cable of U/UTP, F/UTP, and S/FTP categories are CM rated.

Installation Guidelines

- CL-MNC Cat 6 and Cat 6A Actassi patch cords are suitable for TIA Channel Cat 6 or 6A respectively and suitable for ISO Channel Class E or Ea at the condition 1.95 de-rating factor applied.
- The patch cord installation guidelines follow TIA TSB-184-A-1 and IEC 14763-2 standards, especially for the bundling of AWG28 patch cords supporting the delivery of IEEE 802.3 Type 3 or Type 4 PoE.

CL-MNC Cat 6 U/UTP patch cord

Diameter	Colour of sheath	Sheath	Ref. No
3.8+/-0.2 mm	WE/BU/GR/RD/YL	PVC	ACTPC6UUCMxxyy
		LSZH	ACTPC6UULSxxyy

CL-MNC Cat 6 F/UTP patch cord

Diameter	Colour of sheath	Sheath	Ref. No
5.2+/-0.2 mm	WE/BU/GR/RD/YL	PVC	ACTPC6FUCMxxyy
		LSZH	ACTPC6FULSxxyy

CL-MNC Cat 6_A S/FTP patch cord

Diameter	Colour of sheath	Sheath	Ref. No
5.5+/-0.2 mm	WE/BU/GR/RD/YL	PVC	ACTPC6ASFCMxxyy
		LSZH	ACTPC6ASFLSxxyy

xx	Length (m)	yy	Color
05	0.5	WE	White
10	1	BU	Blue
20	2	GR	Green
30	3	RD	Red
50	5	YL	Yellow

Where **xx** denotes the length of patch cords.
 Where **yy** denotes the color of patch cords.

Note: Customized color and length is available upon request with additional lead time and MOQ requirement. Contact your local Schneider Electric agency for support.

The CL-MF² patch cord is constructed with the patent pending CL-MF² construction stranded cable and high quality RJ45 plugs, and is designed to operate up to 300 MHz. The product can operate successfully in a Category 6 environment with a higher margin in performance.

The RJ45 plugs are provided with an over mould boot to ensure pair integrity. The over mould boot ensures excellent strain relief and together with the insert, ensures that performance is stable when using the patch cord.

Customer benefits

- CL-MF² construction cable provides better performance in RL and NEXT
- Allow distinguish colour and numbering identifications
- Available in various lengths to assist with better cable management
- Fully moulded RJ45 plugs not only ensures pair integrity but also provides and enhanced strain relief, especially during installations or moves
- Money saving for keeping single color of patch cords
- Ease to install and flexible for connection
- Time saving for maintenance
- Tractability for critical services.

CL-MF² Secure Patch cord U/UTP Cat 6

Specifications

- Outer sheath PVC, comprised of two parts: unlock key and secure patch cord itself, deters unintended or unauthorized disconnection.

Performances

- Channel performance verified to TIA/EIA-568-C.2-1:2002, Category 6
- CM grade – comply with the UL flame exposure described in UL 1685
- RoHS compliant according to European directive 2002/95/EC.

Use

- Applications to protect mission networks such as data centres, finance, health care environments and government IT systems.

Type	End Secure	Length (m)	Ref. No
4 pairs	1-End secure	1	ACTPCC6UBCM1E10WE
		2	ACTPCC6UBCM1E20WE
	2-End secure	1	ACTPCC6UBCM2E10WE
		3	ACTPCC6UBCM2E30WE

Benefits

- Prevent loss caused by unauthorized plug-out situation in data critical environments, e.g. data centres, medical care, transportation
- Allow distinguish color and numbering identifications
- Available in various lengths to assist with better cable management.
- Fully moulded RJ45 plugs not only ensures pair integrity, but also provides an enhanced strain relief, especially during installations or moves.

Remarks: it is not recommended to apply the secure patch cord with laptops and shuttered wall-plates.

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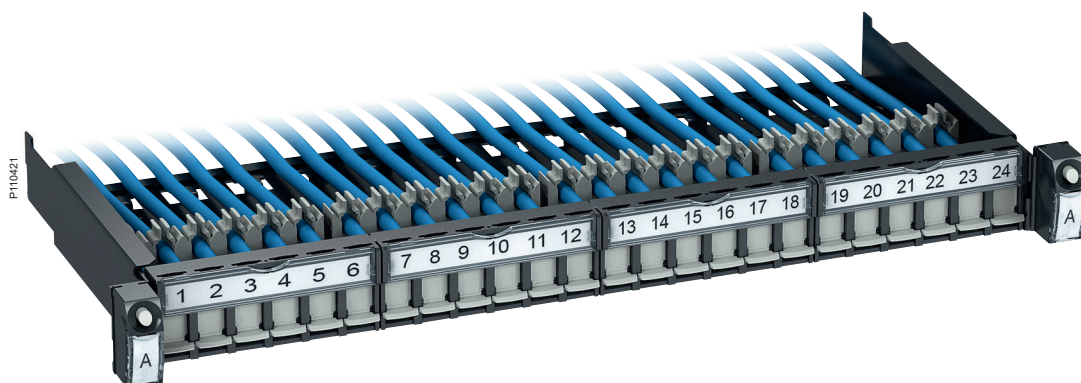
ACTPCC6UBCM1E20WE

Panel range with S-One, S-One DPM and S-110 Actassi data panels

The data panels contain a front configuration for 24 RJ45 connectors. All panels have the smart Quick Fix function. They are also available pre-equipped with connectors, shutters, label holders and a rear cable organizer. We try to make your life as easy as possible.

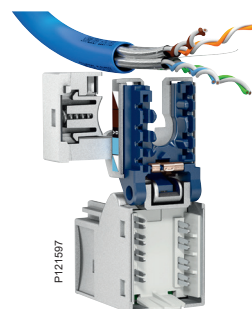


The data panel is available pre-equipped with the innovative S-One connectors.



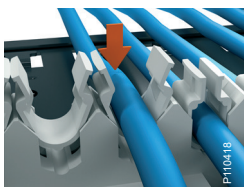
Sliding helps installation

Maintenance and extensions are smoothly performed with the help of the Quick Fix sliding function.



Actassi S-One

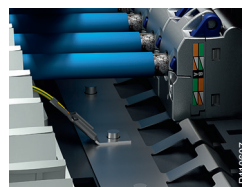
The connectors are a one-piece design for very fast and reliable wiring. Actassi S-One exceeds component hardware certification for standards like ISO/IEC 11801 Ed3.0 for Cat 6A, ensuring optimized network performance.



Cable management
Apart from the systems with colour codes, labels and numbers, the technical setup at the rear of the panel is designed to enhance order. Cables of various diameters are easily mounted and kept in place in specified slots.



Rear position numbers
Keeping track of each RJ45 could sometimes be very hard. Actassi is changing all of that! The cable numbers at the rear correspond to those at the front, simplifying installation and maintenance from both sides of the rack.



Automatic earthing
An automatic earthing for FTP/STP versions is integrated in the panel.



Clear front marking
Each panel plate has an openable label holder. Print your own labels or use the included versions with pre-printed port numbers. Each shutter can also be colour coded for quick identification in both open and closed positions.

Actassi flat high-density panels

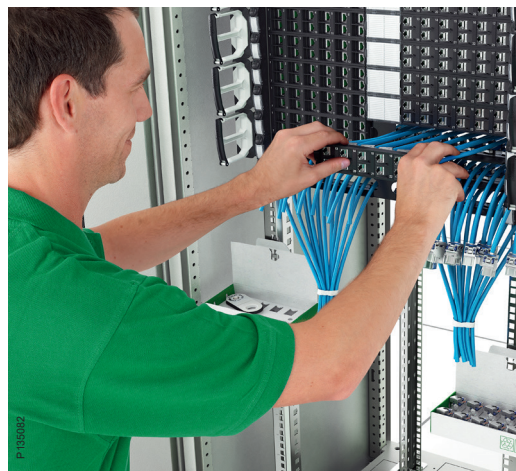
The new Actassi 19" flat data panel with connectors placed at an angle gives a new dimension to high density – the panels can be mounted directly on top of each other, with no need of intermediate guiding panels. They are available empty without connectors or equipped with Cat 6_A STP connectors.



Quick Fix function
The panels are equipped with a Quick Fix function for a fast installation.



The flat data panel contain a configuration for 24 RJ45 connectors with a clear marking at both front and rear. The panels are easy to install thanks to the front access and the Quick Fix function. Use the vertical side rings for vertical management of the patch cords. Other features are the removable cable manager at the rear, the panel identification label and the hinged central label holder.



Vertical side rings
Vertical side rings and connectors at an angle gives a true high density installation. The overhead patching frame saves space in the enclosure below.



Connectors at an angle
Connectors placed at an angle combined with front access simplifies installation work.



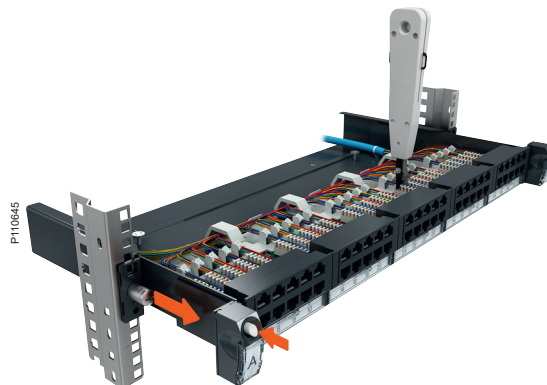
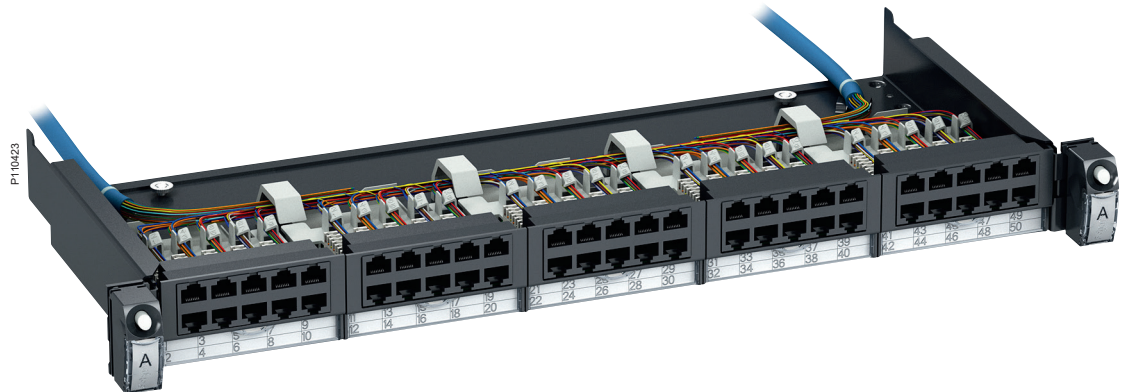
Clear front marking
Large identification labels for easy readability from ground level.



Cable management
The cable manager can be folded or removed. Hooks for cable ties for extra safety.

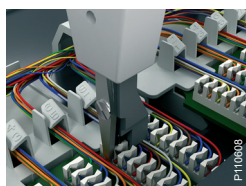
Actassi telecom panels

The smart and high capacity 19" telecom patch panel provides up to 50 connections. Very easy fixation of the panel thanks to the Quick Fix function with guiding fingers and pre-mounted screws. The label holders are easily opened without using any tool.



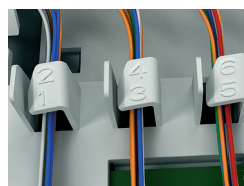
Exceptional robustness

The sliding function does not deteriorate the stability. As a proof you can use the punch down tool for LSA contacts with the panel in a sliding-out position. You don't need to remove it from the rack first!



Punch down tool

This is the punch down tool for LSA contacts, to be used for telecom cable connections.



Cable identification

No need trying to figure out which cable goes where. The cable identification is very clear on the clever fixing guides.



Safe and easy earthing

The panel has two earthing connection points for both shielded cables and for the rack, easily accessible at the rear.



Clear marking

The telecom panel comes with pre-printed labels and openable label holders.

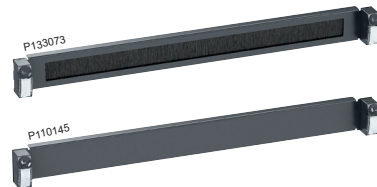
Power panels and accessories

The Actassi system also includes a range of power panels and smart accessories for improved cable management. The power panels are available in several versions, for example with a protected light switch and overvoltage protection. The innovative patchcords guiding panel is equipped with four openable rings, managing up to 48 cords.



Power panel

With Quick Fix function and 3 m of power cord. Several versions, for example with protected circuit breaker/earth leakage.



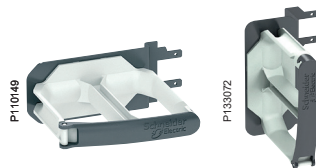
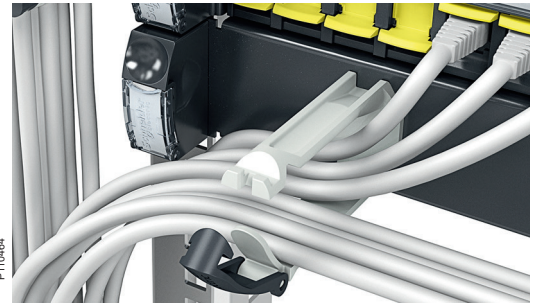
Brush and blank panel

Brush guiding panel. Blank panel instead of an empty gap in the rack.



Guiding panels for patch cords

The 1U panel manages 24 cords, and 2U panel 48 cords. Easily opened but still safe, since a clever device prevents cords from falling out. Also possible to pull out only one cord if needed.



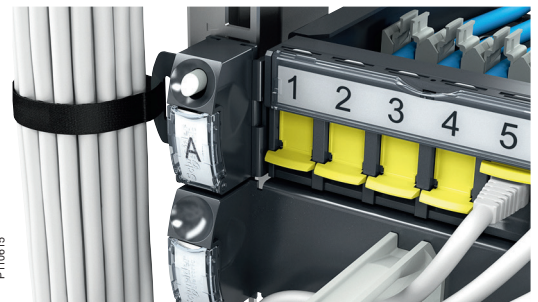
Side rings for rack 800x800

Rings for vertical management of up to 48 patch cords, attached to each side of the guiding panel (or any panel with Quick Fix). Available for 1U and 2U.



Vertical rings for rack 600x600

For the 600x600 racks, use the smaller tie up devices to keep your installations in neat order.

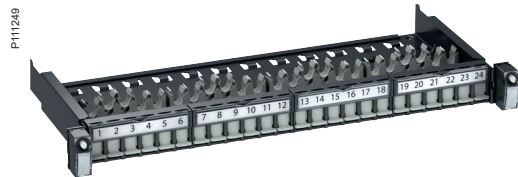


Empty sliding panel for S-One connectors 1U 24 ports

- Empty sliding 19" copper panel (without connectors)
- 1U height
- 24 RJ45 ports
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Available in two versions:
 - evolution: panels equipped with 24 shutters in light grey, 4 label holders, and one cable manager at the rear
 - basic: panels without shutters, label holders, cable manager
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting
- Automatic earthing with the pre-equipped bus bar for FTP/STP versions.

Evolution version: pre-equipped with 24 light grey shutters, 4 label holders, 1 rear cable organizer

Description	Ref. No
Empty panel 1U UTP 24 ports	VDIG112241U
Empty panel 1U FTP/STP 24 ports	VDIG112241F



Basic version: without label holders and cable organizer

Description	Ref. No
Empty panel 1U UTP 24 ports	VDIG012241U



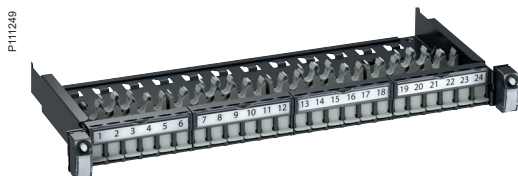
Empty panel 1U FTP/STP 24 ports	VDIG012241F
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Equipped sliding panel with S-One connectors 1U 24 ports

- Equipped sliding 19" copper panel (with connectors, not mounted)
- 1U height
- 24 RJ45 ports
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Available in two versions:
 - evolution: panels equipped with 24 shutters in light grey, 4 label holders, and one cable manager at the rear
 - basic: panels without shutters, label holders, cable manager
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting
- Automatic earthing with the pre-equipped bus bar for FTP/STP versions.

Evolution version: pre-equipped with 24 RJ45 S-One connectors (not mounted) and 24 light grey shutters, 4 label holders, 1 rear cable organizer



Description	Ref. No
Category 5e	
Equipped panel 1U with 24 RJ45 Cat 5e UTP	VDIG118241U50
Equipped panel 1U with 24 RJ45 Cat 5e FTP	VDIG118241F50
Category 6	
Equipped panel 1U with 24 RJ45 Cat 6 UTP	VDIG118241U60
Equipped panel 1U with 24 RJ45 Cat 6 STP	VDIG118241B60
Category 6A	
Equipped panel 1U with 24 RJ45 Cat 6A STP	VDIG118241BX0



Basic version Pre-equipped with 24 S-One connectors (not mounted). Without shutters, label holders and cable organizer.

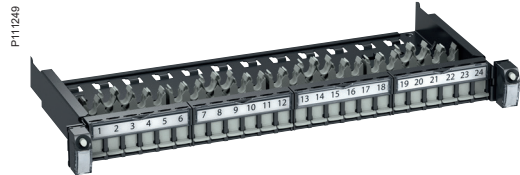
Description	Ref. No
Category 5e	
Equipped panel 1U with 24 RJ45 Cat 5e UTP	VDIG018241U50
Category 6	
Equipped panel 1U with 24 RJ45 Cat 6 UTP	VDIG018241U60
Equipped panel 1U with 24 RJ45 Cat 6 STP	VDIG018241B60
Category 6A	
Equipped panel 1U with 24 RJ45 Cat 6A STP	VDIG018241BX0

Empty sliding panel for S-One DPM connectors 1U 24 ports

- Empty sliding 19" copper panel (without connectors)
- 1U height
- 24 RJ45 ports
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Panels equipped with 24 shutters in light grey, 4 label holders, and one cable manager at the rear
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting
- Automatic earthing with the pre-equipped bus bar.

Evolution version: pre-equipped with 24 light grey shutters, 4 label holders, 1 rear cable organizer

Description	Ref. No
Empty panel for DPM connectors 1U FTP/STP 24 ports	VDIG111241F



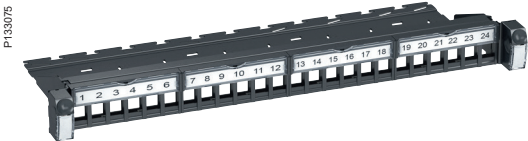
Basic version: without label holders and cable organizer

Description	Ref. No
Empty panel for DPM connectors 1U FTP/STP 24 ports	VDIG011241F



- Empty fixed panel for S-110 connectors 1U 24 ports**
(compatible with Cat 5e and Cat 6 not compatible for Cat 6_A)
- Empty fixed 19" copper panel (without connectors)
 - 1U height
 - 24 RJ45 ports
 - 1 Quick Fix function on both sides to allow a simple, quick fixing position
 - Panels equipped with 4 label holders and a metal tray cable manager
 - Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
 - Plastic parts in PA66 GF20 or PA6
 - Simple clicking connectors for mounting.

Evolution version: pre-equipped with 4 label holders and a metal tray cable manager



Description	Ref. No
Empty panel 1U for S-110 connectors keystone UTP 24 ports	VDIG113241U

- Empty fixed panel with S-110 connectors, Cat 6_A STP, 1U 24 ports**
- Category 6_A fully shielded keystone modular jacks
 - Universal colour-coding for 568A and 568B standards
 - Front labelling system
 - Removable rear cable management bar is bundled with Velcro tapes
 - Compatible with standard 19" equipment racks
 - Fully compliant ISO/IEC 11801 Ed3.0 and ANSI/TIA/EIA-568-C series connecting hardware standards.

Description	Ref. No
Category 6_A	
Empty panel 10G Cat 6 _A , shielded 24-port patch panel*	ACTPPS24NSU
Empty panel 10G Cat 6 _A , shielded 24-port angled jack panel, unloaded**	ACTPPAS24NS

(*) ACTPPS24NSU can be used on Cat 6 shielded and Cat 5e FTP keystone jacks.
(**) ACTPPAS24NS can be used on Cat 6_A or Cat 6 shielded angled.

Equipped fixed panel for S-110 connectors, Cat 5e, 1U 24 ports UTP

- Aesthetic, contemporary design
- Powder coated metal framework
- Universal colour-coding for T568A and T568B wiring scheme
- Removable rear cable management tray
- Compatible with standard 19" equipment frames
- IDC termination using an Actassi or other compatible tools
- Fully compliant to AS/NZS 3080: 2003, ISO/IEC 11801 Ed3.0 and ANSI/TIA/EIA-568-C series connecting hardware standards.

RJ45 24PPSH_24PCaBPP



Description	Ref. No
Equipped panel Category 5e, UTP 24-port non-shutter patch panel	ACTPP5EU24NSS

Equipped fixed panel with S-110 connectors, Cat 5e and Cat 6 UTP, 1U 24 ports,

- Equipped fixed 19" copper panel (with connectors, pre-mounted)
- 1U height
- 24 RJ45 ports
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- Panels equipped with 4 label holders and a metal tray cable manager
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting and dismantling.

Evolution version: pre-equipped with 24 RJ45 S-110 keystone connectors (pre-mounted) and a metal tray cable manager

P133076



Description	Ref. No
Category 5e Equipped panel 1U with 24 RJ45 S-110 connectors keystone Cat 5e UTP	VDIG113241U50
Category 6 Equipped panel 1U with 24 RJ45 S-110 connectors keystone Cat 6 UTP	VDIG113241U60

Equipped fixed panel for S-110 connectors, Cat 6, 1U 24 ports UTP

- Aesthetic, contemporary design
- Powder coated metal framework
- Universal colour-coding for T568A and T568B wiring scheme
- Removable rear cable management tray
- Compatible with standard 19" equipment frames
- IDC termination using a Actassi or other compatible tools
- Fully compliant to AS/NZS 3080: 2003, ISO/IEC 11801 Ed3.0 and ANSI/TIA/EIA-568-C series connecting hardware standards.

RJ45 124PPSH_24PCaBPP



Description	Ref. No
Equipped panel Category 6, UTP 24-port, non-shutter, patch panel	ACTPP6U24NSS_S
Equipped panel Category 6, UTP 24-port, shuttered, patch panel	ACTPP6U24SHS

P119458



Equipped fixed panel with S-110 connectors, Cat 6_A UTP, 1U 24 ports

- Equipped fixed 19" copper panel (with connectors, pre-mounted)
- Equipped with S-110 Cat 6_A unshielded connectors, black colour, without shutters
- 1U height
- 24 RJ45 ports
- Panels equipped with 2 label holders and a cable manager
- The cable manager can rotate and be removed to ease the accessibility.

Description	Ref. No
Category 6_A Equipped panel 1U with 24 RJ45 S-110 connectors keystone Cat 6 _A UTP, non-shutter	ACTPP6ATGU24NSS
Equipped panel 1U with 24 RJ45 S-110 connectors keystone Cat 6 _A UTP, shutter	ACTPP6ATGU24SHS

Actassi panel with toolless jack



Equipped fixed panel with S-110 connectors, Cat 6_A STP, 1U 24 ports

- Category 6_A fully shielded keystone modular jacks
- Universal colour-coding for 568A and 568B standards
- Front labelling system
- Removable rear cable management bar is bundled with Velcro tapes
- Compatible with standard 19" equipment racks
- Fully compliant ISO/IEC 11801 Ed3.0 and ANSI/TIA/EIA-568-C series connecting hardware standards.

Description	Ref. No
Equipped panel 10G Category 6 _A , shielded 24-port patch panel	ACTPP6ATGS24NSS

P111256



Telecom panel 50 ports

- Telecom panel 50 ports in 2 rows
- 1U height
- The telecom cable wires are terminated in LSA punch down blocks on the PCB according to a clear numbering
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- With label holders
- Cable organizer at the rear with number identification.

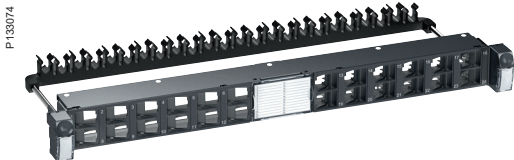
Description	Ref. No
Telecom panel 50 ports	VDIG141501

Empty flat panel for S-One connectors in angle, 1U 24 ports

- 1U height
- 24 RJ45 ports
- Allows high-density copper ports installation. Connectors are positioned in angle to guide the patch-cords to the vertical sides of the enclosure. The installation of copper ports is maximised as there is no need to consume rack units to mount horizontal guiding panels
- Recommended mounting with vertical side ring for vertical management of the patch-cords (reference VDIM189412)
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- Equipped with a label holder and a cable manager at the rear
- The cable manager can rotate and be removed to ease the accessibility
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 and PC
- Simple clicking the connectors for mounting
- Automatic earthing with pre-equipped bus bar.

Empty flat 19" copper panel for connectors in angle (delivered without connectors)

Description	Ref. No
Empty flat panel for connectors in angle 1U FTP/STP 24 ports	VDIG328241B

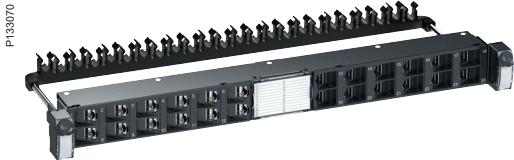


Equipped flat panel with S-One connectors in angle, Cat 6_A STP, 1U 24 ports

- 1U height
- 24 RJ45 ports
- Allows high-density copper ports installation. Connectors are positioned in angle to guide the patch-cords to the vertical sides of the enclosure. The installation of copper ports is maximised as there is no need to consume rack units to mount horizontal guiding panels
- Recommended mounting with vertical side ring for vertical management of the patch-cords (reference VDIM189412)
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- Equipped with a label holder and a cable manager at the rear
- The cable manager can rotate and be removed to ease the accessibility
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 and PC
- Simple clicking the connectors for mounting
- Automatic earthing with pre-equipped bus bar.

Equipped flat 19" copper panel with connectors in angle (connectors included, not mounted)

Description	Ref. No
Equipped flat panel with connectors in angle 1U with 24 RJ45 Cat 6 _A STP	VDIG328241BX0

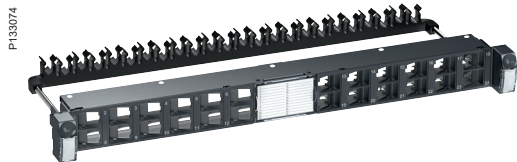


Empty flat panel for S-One DPM connectors in angle,
1U 24 ports

- 1U height
- 24 RJ45 ports
- Allows high-density copper ports installation. Connectors are positioned in angle to guide the patch-cords to the vertical sides of the enclosure. The installation of copper ports is maximised as there is no need to consume rack units to mount horizontal guiding panels
- Recommended mounting with vertical side ring for vertical management of the patch-cords (reference VDIM189412)
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- Equipped with a label holder and a cable manager at the rear
- The cable manager can rotate and be removed to ease the accessibility
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 and PC
- Simple clicking the connectors for mounting
- Automatic earthing with pre-equipped bus bar.

Empty flat 19" copper panel for DPM connectors in angle (delivered without connectors)

Description	Ref. No
Empty flat panel for DPM connectors in angle 1U FTP/STP 24 ports	VDIG321241B



Empty flat panel for S-110 connectors in angle, Cat 6, 1U 24 ports UTP

- Aesthetic, contemporary design
- Powder coated metal framework
- Universal colour-coding for T568A and T568B wiring scheme
- Removable rear cable management tray
- Compatible with standard 19" equipment frames
- IDC termination using a Actassi or other compatible tools
- Fully compliant to AS/NZS 3080: 2003, ISO/IEC 11801 Ed3.0 and ANSI/TIA/EIA-568-C series connecting hardware standards.



Description	Ref. No
Empty panel Category 6, UTP 24-port, non-shutter, angled panel	ACTPPAU24NS

Empty flat panel for S-110 connectors in angle, Cat 6, 1U 24 ports FTP

- Aesthetic, contemporary design
- Powder coated metal framework
- Universal colour-coding for T568A and T568B wiring scheme
- Removable rear cable management tray
- Compatible with standard 19" equipment frames
- IDC termination using a Actassi or other compatible tools
- Fully compliant to AS/NZS 3080: 2003, ISO/IEC 11801 Ed3.0 and ANSI/TIA/EIA-568-C series connecting hardware standards.



Description	Ref. No
Empty panel Category 6, FTP shielded 24-port, non-shutter, angled jack panel, unloaded	ACTPPAS24NS

High density panel 48 ports 1U straight for S-110 RJ45

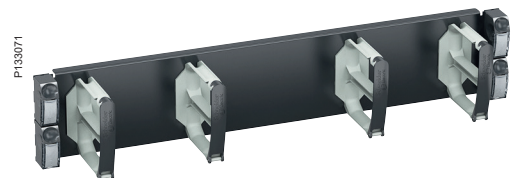
- Straight high density panel 1U 48 ports (without RJ45 jacks)
- Compatible with standard 19" equipment frames
- Compliant with standard 19" at 1U height
- Fully compliant to ISO/IEC 11801Ed 3.0 and ANSI/TIA/EIA-568-C series connecting hardware standards
- Compatible with unshielded Cat5e RJ45 S110 ACTASSI
- Compatible with unshielded Cat6 RJ45 S110 ACTASSI
- Compatible with specific Shielded Cat5e, Cat6 and Cat6A RJ45
- Earthing kit provided
- Simple clicking connectors for mounting
- Automatic earthing with the metallic RJ45 support for STP versions.
- Equipped with pre-printed labels
- Equipped with removable cable manager



Description	Ref. No
Patch Panel 48 ports 1U Straight unloaded	ACTPP48EMS

Cable management and accessories

S-One, S-One DPM and S-110



Patch cord guiding panels

- Patch cord guiding panel
- 1U, 2U
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- 4 openable rings
- Patch cord holder integrated inside the ring for opened position.

Description	Ref. No
Patch cord guiding panel 1U with 4 openable rings	VDIG188141
Patch cord guiding panel 2U with 4 openable rings	VDIG188142

Brush guiding panel

- Patch cord guiding panel
- 1U
- 1 Quick Fix function on both sides to allow a simple, quick fixing position.

Description	Ref. No
Patch cord brush guiding panel 1U	VDIG188201

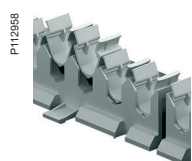
Side rings for vertical management

- Rings for vertical management of patch cords, in horizontal and vertical position
- Openable
- For racks 800 x 800 mm and 600 x 600 mm
- Can be fixed on each side of any Quick Fix system panel or guiding panel
- Large capacity up to 48 cords.



Description	Ref. No
Horizontal ring for vertical management of patch cords, 1U, for rack 800x800 mm	VDIM189112
Vertical ring for vertical management of patch cords, 2U, for rack 800x800 mm	VDIM189412
Ring for vertical management of patch cords, using self-grip strip, for rack 600x600 mm	VDIM189111

Cable organizer



Description	Ref. No
Cable organizer for fixation of up to 24 cables inside the panel	VDIM11U001

Label holders for data panels



Description	Ref. No
Transparent label holders pack of 4 pcs	VDIM11U002

RJ45 Shutters



Description	Ref. No
Shutters, blue, pack of 24 pcs	VDIM11U241
Shutters, yellow, pack of 24 pcs	VDIM11U242
Shutters, green, pack of 24 pcs	VDIM11U243
Shutters, red, pack of 24 pcs	VDIM11U244
Shutters, grey, pack of 24 pcs	VDIM11U246

Rack earthing kit

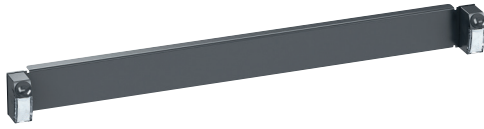


Description	Ref. No
Rack earthing kit, pack of 10 pcs	VDIM48E011

Cable management and accessories

S-One, S-One DPM and S-110

P110146

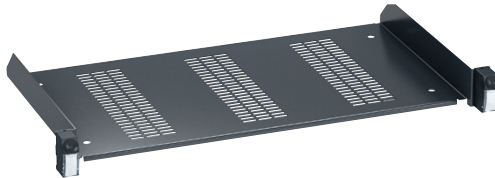


Metal blank panel

- 1 Quick Fix function on both sides to allow a simple, quick fixing position.

Description	Ref. No
Blank panel 1U	VDIG188021

P110147



Metal shelf

- 1 Quick Fix function on both sides to allow a simple, quick fixing position.

Description	Ref. No
Shelf 1U, depth 250 mm, for max weight 15 kg	VDIG188011

RJ8ECMPCC_CabMnglPnl



Metal management panel

- Cable management panel with metal fingers and metallic cover
- Metal base is powder coated to provide protection against scratches and rust
- A metallic cover provides security and aesthetics
- Available as a 1-rack unit (1U) item
- Available in graphite grey
- Compatible with standard 19" equipment racks.

Description	Ref. No
1U cable management panel	ACTRJ1UCMPM

RJ1UCMPC



Management panel

- Rack mount clips eliminate the need for cage nuts and screws
- Reinforced cable management rings can accommodate up to 50 patch cords
- Cavities behind each ring provide additional space for cable slack
- Additional depth on cable rings ensures compliance with minimum bend radius requirements
- Compliments Actassi patch panel styling.

Description	Ref. No
1U, Actassi deep cable management panel	ACTRJ1UCMPC

RJ1UCMPSC



1U, Actassi shallow cable management panel	ACTRJ1UCMPSC
--	--------------

P110577



Tool

- Punch Down Tool for LSA contacts, to use for Telecom panel cable connection.

Description	Ref. No
Punch down tool LSA Contacts	VDIB299001

P113144



Others

Description	Ref. No
Ericsson rack panel mounting accessory	VDIM18W001

19" power panel 16 A or 10 A/250 V

- Profile: 1U height ALU Anodize
- Sockets: 2-pole with earthing contact 16 A or 10 A, 250 V AC, IP20,
- colour RAL 7016, plastic material: PA6 GF30
- 1 Quick Fix function on both sides to allow a simple, quick fixing position fitted with 3 m length power cord
- Supplied with personalized cable identification labels.

Standard

Description	Ref. No
Power panel 9 x French outlets according to NF C 61314	VDIG161911

Power panel 9 x Schuko outlets according to DIN 49 440	VDIG161931
--	------------

Power panel 9 x Danish outlets according to DS/IEC 60884-1	VDIG161941
--	------------

Power panel 9 x Danish outlets EDB according to DS/IEC 60884-1	VDIG161951
--	------------

With protected light switch

Description	Ref. No
Power panel 8 x French outlets according to NF C 61314	VDIG162711

Power panel 8 x Schuko outlets according to DIN 49 440	VDIG162731
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Power panel 8 x Danish outlets according to DS/IEC 60884-1	VDIG162841
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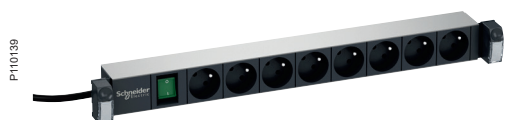
With protected light switch + overvoltage protection

- Short circuit protection 6.5 kA
- Protection level Up 1.5 kV
- Optic signal for function (green)
- Optic signal for defect (orange).

Description	Ref. No
Power panel 7 x French outlets according to NF C 61314	VDIG164711

Power panel 7 x Schuko outlets according to DIN 49 440	VDIG164731
--	------------

Power panel 7 x Danish outlets 10 A according to DS/IEC 60884-1	VDIG164741
---	------------



With circuit breaker/earth leakage 230 V AC, 16 A or 10 A, 30 mA		
Description		Ref. No
 P110142	Power panel 6 x French outlets according to NF C 61314	VDIG163611
 P110674	Power panel 6 x Schuko outlets according to DIN 49 440	VDIG163631



VDIM61212B
VDIM61112B



VDIM61712B



VDIM650240

Consolidation box for RJ45 and optic fibers

- Consolidation box for 12 RJ45 (without RJ45 jacks)
- One reference per RJ45 footprint: S-ONE, S-ONE DPM and Keystone.
- Compatible for Shielded and Unshielded RJ45
- Compatible for Cat 5e, Cat 6 and Cat 6_A categories of RJ45
- Earthing kit provided
- Metal sheet: thickness 1.2 mm. Black color
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting
- Automatic earthing with the pre-equipped bus bar for STP versions
- Size: height 22 mm, width 16 mm, length 36 mm
- Operational temperature range: -10°C to 60°C
- Delivered in carton box.

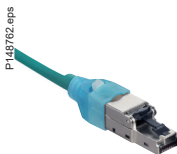
Description	Ref. No
For S-ONE RJ45	
Consolidation box 12 ports S-ONE STP unloaded	VDIM61212B
For S-ONE DPM RJ45	
Consolidation box 12 ports S-ONE DPM STP unloaded	VDIM61112B
For S-110 Keystone RJ45	
Consolidation box 12 ports Keystone STP unloaded	VDIM61712B
For Fibre optic	
Consolidation box 24 ports Fiber LC or SC Duplex unloaded	VDIM650240

Field Termination plug RJ45

- Field termination plug RJ45 to make last meters links of cabling installation
- Shielded and Unshielded male plug RJ45 types
- Compatible for Cat 6 and Cat 6_A categories of links
- Simple clicking connectors for mounting
- Size: height 22 mm, width 16 mm, length 36 mm
- Operational temperature range: -10°C to 60°C
- Delivered in individual plastic bag.



ACTPG6ATLU001



ACTPG6ATLS001



Description	Ref. No
Unshielded solution	
Field termination plug Cat 6 _A UTP unshielded	ACTPG6ATLU001
Shielded solution	
Field termination plug Cat 6 _A STP shielded	ACTPG6ATLS001

110 System & Voice distribution

APAC

110 wallmount block - Category 5e

The 110 wiring block is an extremely popular way of terminating cables for cross connecting data and voice. It is used in either a rack or wall mounted situation. The base block is where the riser/horizontal cable is terminated and a 110 connector is then placed over the terminated pairs. This now allows access for jumper wires or 110 patch cords to cross connect. The wall mount is available with or without legs to allow room behind the block for cable entry and to stand off from the wall.

The blocks are available in 50, 100 and 300-pair with legs. Blocks without legs are available in 50 and 100-pair configurations. The 110 connectors are available in 4 and 5-pair sizes. The termination of cable on 110 wiring blocks is achieved with the use of 110 tools. Use either the single contact tool or the speedy 5-pair termination tool. Both tools have a cut-off mechanism. Both can be used on the wiring block bases (for cable termination) as well as the top of the IDC contact block (for jumpering). The 5-pair tool can only be used to terminate on the wiring block and not to terminate jumpers on the 110 connector.

Product features

- Popular 110 connector technology
- Available with or without legs for the block base
- Speedy 5-pair punch down block base saving installation time and cost
- Suitable for jumper wire or patch cords
- 4 and 5-pair 110 connectors available.

Customer benefits

- More cost-effective solution than RJ45 patching solutions
- Supports Category 5e performance
- Wire management available for jumpers and patch cords to prevent accidental disconnection
- Label holder and label for easy circuit identification
- 1,2 and 4-pair patch cords available for data, fax and voice applications.

ACTC5E110WMN50_1pMain_ODA19



ACTC5E110WMN50

Description	Ref. No
50-pair, base connector, without legs	ACTC5E110WMN50
100-pair, base connector, with legs	ACTC5E110WMW100
110 cable management panel	ACT110CMP
4-pair connector (100 pcs/bag)	ACTC5E110BL4P
5-pair connector (100 pcs/bag)	ACTC5E110BL5P
4 and 5-pair connector kit (for 100-pair) (20xC4 + 4xC5)	ACTC5E110BL45P
110 Kit, 50-pair base and 10xC4 + 2xC5 connector, without legs	ACTC5E110WMN50K
110 Kit, 50-pair base and 10xC4 + 2xC5 connector, with legs	ACTC5E110WMW50K
110 Kit, 100-pair base and 20xC4 + 4xC5 connector, without legs	ACTC5E110WMN100K
110 Kit, 100-pair base and 20xC4 + 4xC5 connector, with legs	ACTC5E110WMW100K
100-pair, 19" rack mount	ACTC5E110RM100P

Please add "A" for T568A wiring and "B" for T568B wiring at the back of the part number during ordering.

110 System & Voice distribution

APAC

110 wallmount block - Category 6

The Cat 6 110 wiring block is a popular way of terminating cables for cross connecting data and voice. It is used in either a rack or wall mounted situation. The base block is where the riser/horizontal cable is terminated and a 110 connector is then placed over the terminated pairs. This now allows access for jumper wires or 110 patch cords to cross connect.

The wall-mount blocks are available in 48, 96 and 288-pair with legs; rack mounted blocks is supplied with back panel (1U~3U) available in 96, 192 and 288-pair.

The 110 connectors is available in 4-pair size. The termination of cable on 110 wiring blocks is achieved with the use of speedy 4-pair termination tool. The 4-pair tool can only be used to terminate on the wiring block and not to terminate jumpers on the 110 connector.

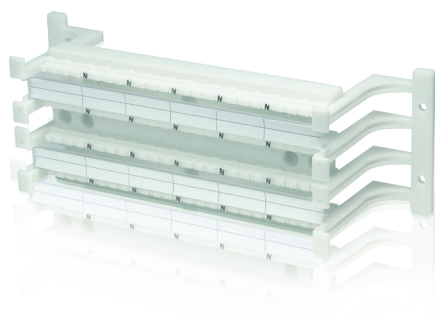
Product features

- Popular 110 connector technology meets TIA/EIA 568B 2.1 Cat 6 connecting hardware standards
- Both available in wall-mount and rack-mount types
- Speedy 4-pair punch down block base saving installation time and cost.

Customer benefits

- More cost-effective solution than RJ45 patching solutions
- Supports Category 6 performance
- Wire management available for jumpers and patch cords to prevent accidental disconnection
- Label holder and label for easy circuit identification.

110 Block Solution - Connector Blocks2



Wall-Mount Blocks

Description	Ref. No
Cat 6 110 block 48-pair with legs	ACTC6110WMW48
Cat 6 110 block 96-pair with legs	ACTC6110WMW96
Cat 6 110 block 288-pair with legs	ACTC6110WMW288
Rack mount Cat 6 110 block 96-pair, 1U	ACTC6110RM96P
Cat 6 110 IDC 4-pair	ACTC6110BL4P
4-pair punch down tool	ACTC6110PDT4P



110 System & Voice distribution

APAC

110 system patch cord - Category 6

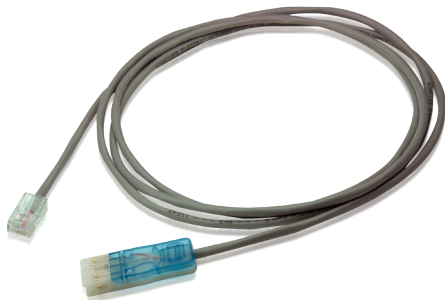
Product features

- UL94V-0 fire retardant plastic
- 110-110 type and 110-RJ45 type are available
- Meets TIA/EIA-568-B.2-1 Category 6 connecting hardware standards.

Customer benefits

- Available in various lengths to assist in better cable management
- Available in multi-pair configuration to cater to data, fax and voice applications.

110 Block Solution - patch cords



ACTC6110PC1PB1

Description	Ref. No
Cat 6 110-110 patch cord, 1P, 1 m	ACTC6110PC1PA1
Cat 6 110-RJ45 patch cord, 1P, 1 m	ACTC6110PC1PB1
Cat 6 110-RJ45 patch cord, 1P, 2 m	ACTC6110PC1PB2



110 System & Voice distribution

APAC

110-RJ45 system patch cord - Category 5e

Category 5 110-RJ45 patch cords complements the Connect 110 wiring block solution. Cords are available in 1, 2 and 4-pair configuration for data, fax and voice applications. Also available is RJ45 to 110 and 110 to raw end for direct termination. These cords are available in white and are used as jumper cords or end-user patch cords.

Category 5 110-RJ45 patch cord supports both Category 5 and Category 5e.

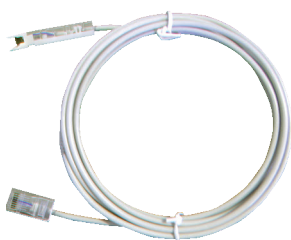
Product features

- CM fire rated jacketing
- PE insulation on conductors
- PVC outer jacket material
- Available in multiple lengths and 1,2 and 4-pair configuration.

Customer benefits

- Category 5e ANSI/TIA/EIA-568-C compliant
- Available in various lengths to assist in better cable management
- Available in multipair configuration to cater to data, fax and voice applications.

White cable picture 2



ACT5E110PC1PB2

Description	Ref. No
Category 5e, 110-RJ45, 1-pair, patch cord, 2.0 m	ACT5E110PC1PB2
Category 5e, 110-RJ45, 1-pair, patch cord, 3.0 m	ACT5E110PC1PB3
Category 5e, 110-RJ45, 2-pair, patch cord, 2.0 m	ACT5E110PC2PB2
Category 5e, 110-RJ45, 4-pair, patch cord, 1.0 m	ACT5E110PC4PB1
Category 5e, 110-RJ45, 4-pair, patch cord, 2.0 m	ACT5E110PC2PB2



110 System & Voice distribution

APAC

Distribution frames

The distribution frames are available for use as a Campus Distributor or Building Distributor (MDFs), Floor Distributor (IDF) or Final Distribution Point (FDP).

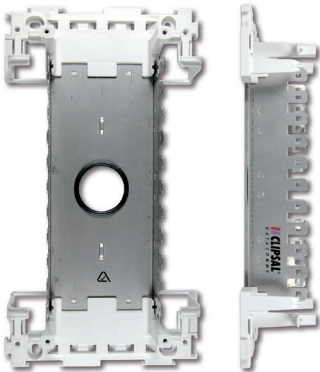
Product features

- Made from high-quality stainless steel
- Bundled with label holders
- Moulded plastic covers are optional.

Customer benefits

- Available in various sizes.
- Easy installation and management.

3100F100MDF_DistFrame



ACT3100F250MDF

Description	Ref. No
250-pair frame, accommodates 25 modules & 2 label holders	ACT3100F250MDF



Actassi Fibre solution

The New Product Regulation CPR is made to increase **security** for **people** and **assets** inside buildings.

It concerns the fire performances of **Fibre Optic** and **Copper cables** permanently installed in buildings.

See CPR presentation page 56

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Consolidation box: refer to page 106

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Power panels: refer to page 104

Actassi fibre optic cables

Part of a total solution

Actassi Fibre LAN cables are an important part of our total Network Connectivity solution that also includes panels, enclosures, connectors etc. All Network Connectivity products are specially designed to work perfectly together with complementary Schneider Electric products like trunking, poles, boxes and wiring devices in order to deliver true and seamless end-to-end connectivity.



The Fibre LAN offer covers needs for all kinds of LAN installations:

Campus (between buildings), Building backbones (between technical rooms) and Distribution (from technical rooms to workstations).

Actassi network connectivity

- 1 Enclosures
- 2 Panels for data, fibre optic and telecom
- 3 Fibre LAN backbone cables
- 4 Copper LAN and Fibre LAN distribution cables
- 5 Fibre LAN campus cables
- 6 Fibre data sockets in trunking
- 7 Fibre data sockets in posts
- 8 Fibre data sockets in floor boxes

A complete product portfolio for LAN installations

The Fibre LAN range offers a complete product portfolio for LAN installations. Providing the best support for high-speed data networks the fibre LAN range complements our Copper LAN offer. Optic cables, patchcords, connectors, tools and accessories are part of the Fibre LAN offer.



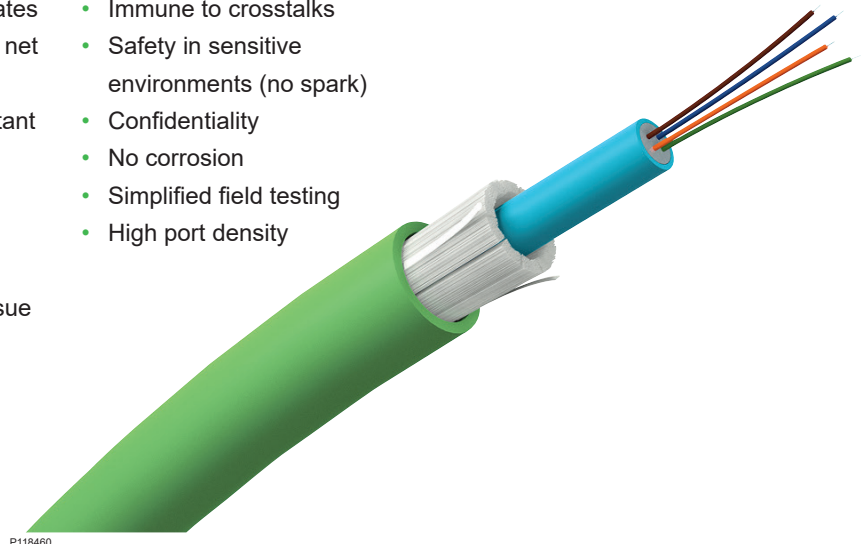
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The Actassi 19" fibre optic panel is one of the most installation and user-friendly panels on the market. Quick-fix, sliding function, integrated guiding panel, excellent protection and clear marking, coiling wheels and much more.

Fibre optic technology offers several advantages



- Very high data rates
- Flexible, reliable network works
- Very low & constant attenuation
- Long distances (up to 40 km)
- No EMC rules
- No grounding issue
- Immune to crosstalks
- Safety in sensitive environments (no spark)
- Confidentiality
- No corrosion
- Simplified field testing
- High port density



Fibre optic performances

Actassi Fibre LAN is a reliable and robust solution for high-speed data networks. The range includes both OM1, OM2 and OM3, but also OM4. OM5 and OS2 following the latest standards.

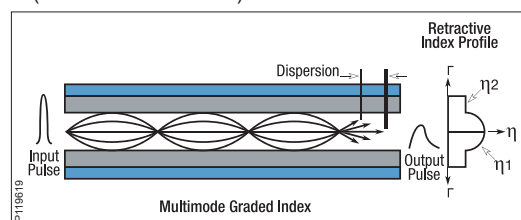
Fibre LAN performances in brief

- Supports all kinds of network applications like 10 Gigabit/s Ethernet, Gigabit/s Ethernet, FastEthernet, Ethernet.
- Guarantees the compatibility with LAN active components.
- Compliant with international LAN optic transmission standards
- Available in multimode and single-mode, adapted to all LAN active equipments using LED, VCSEL and LASER technologies.

Two types of fibres: Multimode and Single-mode

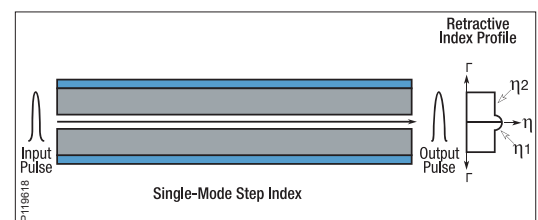
Multimode (OM1, OM2, OM3, OM4, OM5)

- 4 ranges of multimode optic fibres performances: OM1 62.5/125, OM2 50/125, OM3 50/125, OM4 50/125 and OM5 50/125. Meeting the markets needs up to 10 Gigabit/s.
- OM4 50/125 performance. Meeting the markets needs for speeds beyond 40 Gigabit/s and 100 Gigabit/s.
- OM5 is a new type of multimode fiber supporting four wavelengths (850-950 nm), supporting Shortwave Wavelength Division Multiplexing (SWDM) applications with longer reach.
- High bandwidth. Optimized to increase the maximum optic link distance at both operating wavelengths (850 nm and 1300 nm).
- Low attenuation. Optimized to decrease the signal attenuation at both operating wavelengths (850 nm and 1300 nm).

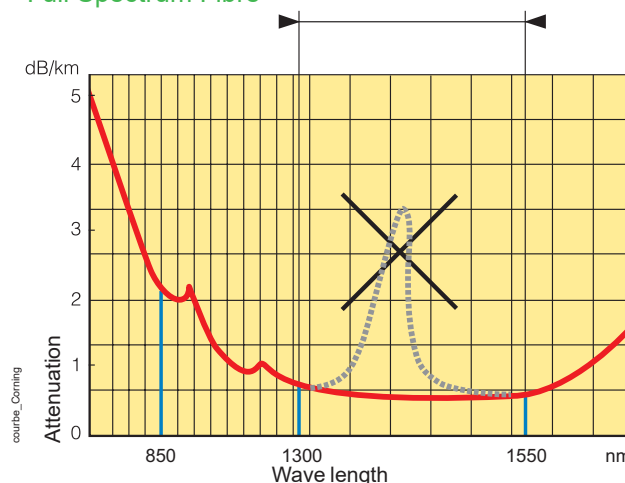


Single-mode (OS1/OS2)

- Single-mode optic fibres performances: OS1/OS2 9/125. Meeting the markets needs for all single-mode applications.
- Low Water Peak and PMD. Optimized to decrease the signal attenuation between 1260 to 1625 nm allowing for multiplexing (modern optical transmission technologies like DWDM).

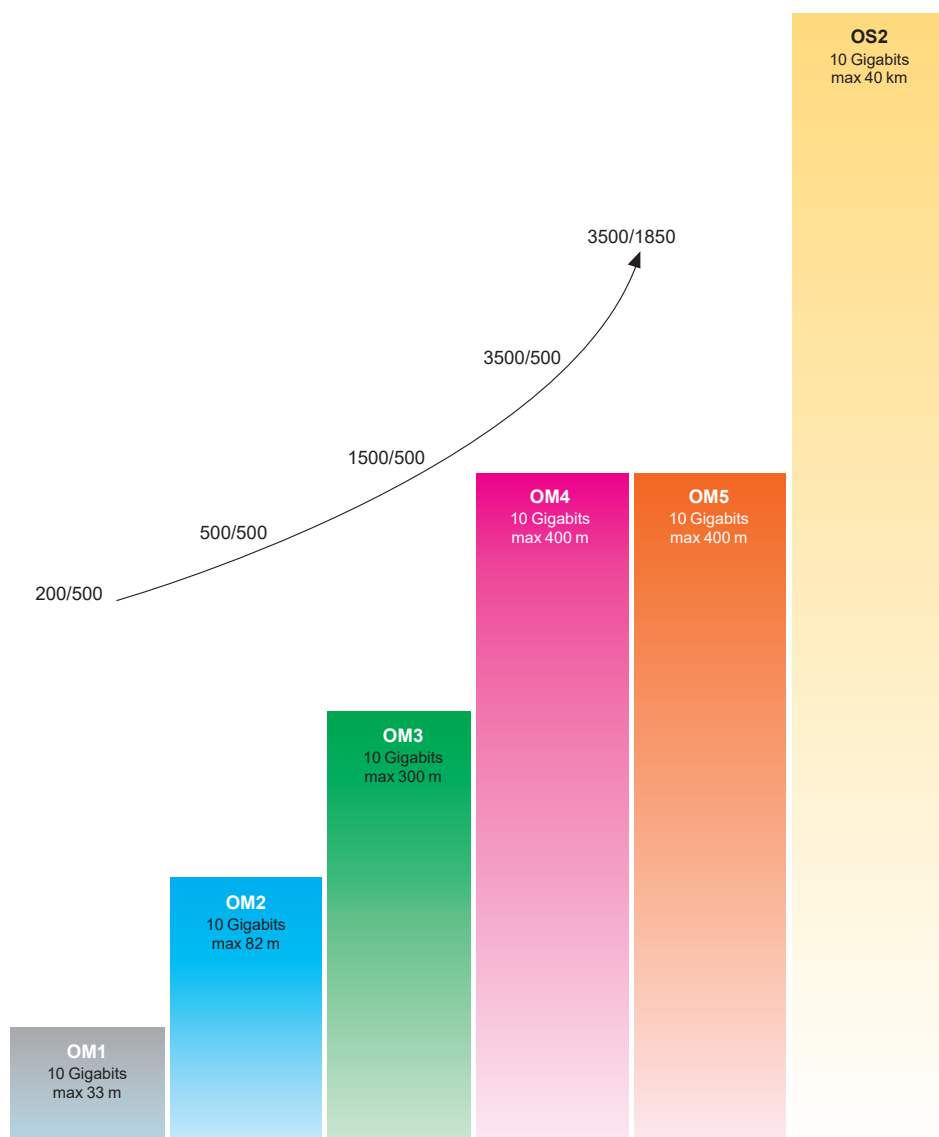


Full Spectrum Fibre





Supports all kinds of
network applications



3

Applications	Wavelength	Multimode fibre					Singlemode fibre
		OM1 62.5/125 µm	OM2 50/125 µm	OM3 50/125 µm	OM4 50/125 µm	OM5 50/125 µm	OS2 9/125 µm
Overfilled Bandwidth (MHz.km)	850/1300 nm	200/500	500/500	1500/500	3500/500	3500/1850	-
100 Gbit/s (100GBASE-SR10)	850 nm	-	-	100 m	150 m	150 m	-
100 Gbit/s (100GBASE-SR4)	850 nm	-	-	70 m	100 m	100 m	-
100 Gbit/s SWDM4	-	-	-	75 m	100 m	150 m	-
100 Gbit/s (100GBASE-LR4/ER4)	1310/1550 nm	-	-	-	-	-	10 km/40 km
40 Gbit/s (40GBASE-SR4)	850 nm	-	-	100 m	150 m	150 m	-
40 Gbit/s SWDM4	-	-	-	240 m	350 m	440 m	-
40 Gbit/s (40GBASE-LR4/ER4)	1310/1550 nm	-	-	-	-	-	10 km/40 km
25 Gbit/s (25GBASE-SR)	850 nm	-	-	70 m	100 m	100 m	-
25 Gbit/s (25GBASE-LR/ER)	1310/1550 nm	-	-	-	-	-	10 km/40 km
10 Gbit/s (10GBASE-SR)	850 nm	33 m	82 m	300 m	400 m	400 m	-
10 Gbit/s (10GBASE-LR/ER)	1310/1550 nm	-	-	-	-	-	10 km/40 km
1 Gbit/s (1000BASE-SX)	850 nm	275 m	550 m	1 km	-	-	-
1 Gbit/s (1000BASE-LX)	1300 nm	550 m	550 m	550 m	-	-	5 km

Actassi fibre optic connectors and pigtails

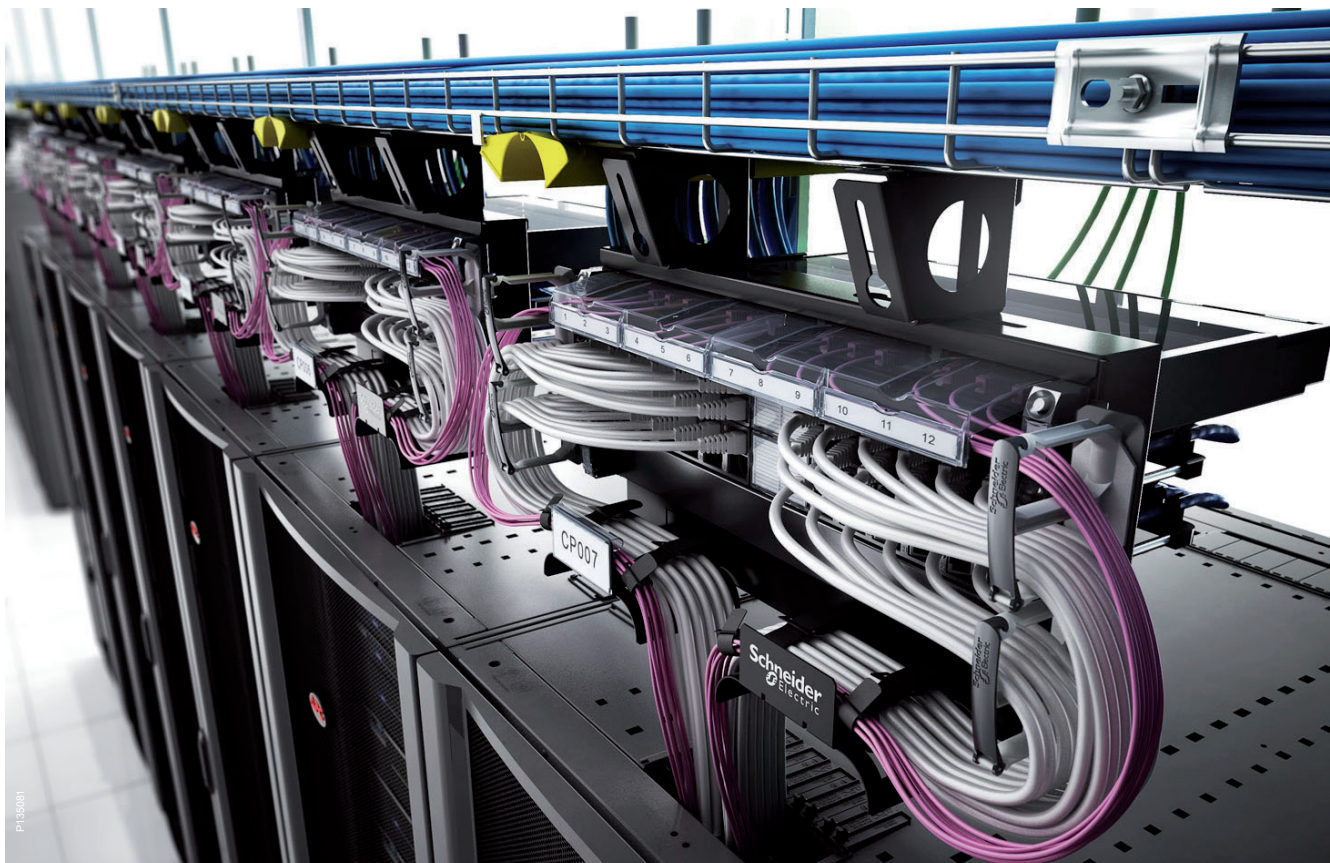
Wide range of fibre optic connectors, pigtails and accessories to support all the needs required for connecting fibre to fibre, and fibre to connector inside optic patch panels and/or at workstation.

Performances

SC connectors	LC connectors	ST connectors
Compliant with TIA/EIA 604-3 and IEC 61754-4 Ed. 2	Compliant with TIA/EIA 604-10A and IEC 61754-20 Ed. 2	Compliant with TIA/EIA 604-2 and IEC 61754-2

Choice guide

Type of products	Preferred connection	Ferrule type	Recommended application	Installation time		Required skills and equipment	
Unicam connectors	Connector to Tight buffered cable	Ceramic	Field installable No Epoxy No Polish		1 minute		Toolkit
Cold cured/ Heat cured connectors	Connector to Tight buffered and Loose Tube cables	Ceramic	Field installable Epoxy and Polish required	  	4 minutes	 	Know how + Toolkit + Oven if heat cured
Pigtails	Loose tube fibre to Loose tube fibre	Ceramic	Field installable Splicing equipment	 	3 minutes	  	Know how + splicing equipment"
Campsplice	Loose tube fibre to Loose tube fibre	Ceramic	Emergency restoration	 	3 minutes	 	Toolkit
					Minimum installation time		
				 	Medium installation time		
				  	Maximum installation time		
					Minimum skills and equipment		
				 	Medium skills and equipment		
				  	Maximum skills and equipment		



Actassi fibre optic solutions

Network Connectivity solutions are key in your data centre to answer your environment constraints. Indeed you have to deal space optimization, MACs, high bandwidth requirements for your active and passive components, security, and CAPEX reduction. In that direction, from Standard Building to Data centre applications, Schneider Electric introduces complete Fibre Optic solutions to cover your needs at all levels.



Schneider Electric introduces complete Fibre Optic solutions to cover your needs at all levels.

Data centre environment evolution and key trends are driving the market

Cloud Computing trends with a significant increase of Big Data volume for the next years

- High bandwidth requirements for computing and core networking applications is growing steadily towards from 10 G to 40 and 100 Gbits
- Higher reliability and security needs: in data centre system downtime cannot be accepted and has to be 100 % under control not to happen

Consolidation, automatization, virtualization of data centres

- Effective optimization of data centre space
- Effective cable management: Slack management is very important as well as ease airflow to relieve congestion in pathways and spaces
- Capacity planning, Infrastructure management improvements
- Rapid moves, adds and changes (MACs) need to be facilitated

Externalisation with the increase of colocation data centres types

- CAPEX and OPEX reduction Energy

Actassi seamless end-to-end network connectivity



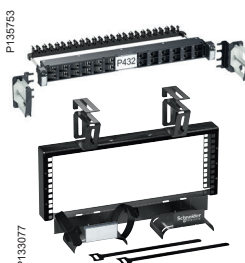
Actassi is a global and scalable network connectivity infrastructure solution for buildings and data centres. It's easy to install, easy to operate and is certified by a third-party independent laboratory at the highest Cat 6_A international standards.

Actassi Standard offer



A complete range of RJ45 connectors, 19" panels, cables and enclosures.

Actassi Specific Data Centre offer



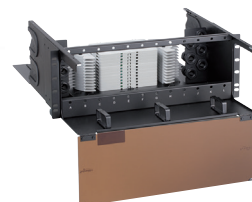
19" flat high-density panels and an innovative overhead patching frame.

Actassi FL-MLink Pre-terminated solution



Pre-terminated fibre optical offer including panels, cassettes and links.

Actassi 19-HD Fibre Panel



One panel for 2 solutions, accepts pre-terminated cassettes and optional splice trays for fusion splicing.

Actassi fibre optic solutions for all your needs

Actassi 19-C
Basic fibre panel



Medium & small buildings

Actassi 19-C
Standard panel



Standard & high productivity buildings

Actassi 19-HD
Fibre panel



High productivity, buiding, small data centres

Actassi FL-MLink
Pre-terminated solution



Large buildings, small & medium data centres

From 5 to 100 racks
10 G, 40 G,
100 G ready

From 1 to 10 racks
10 G ready

From 1 to 5 racks
10 G ready

From 1 to 5 racks
10 G ready

Data centre type	Small server rooms, Network closet	Small server rooms, Network closet	Server rooms, Network closet, Enterprise, Corporate	Finance, IT, Enterprise Corporate, Colocation, Public sectors
Performance	OM3 / OM4 / OS2			
Density Fibre capacity	19-C -> 48 fibres in 1U	19-C -> 48 fibres in 1U	HD -> 72 fibres in 1U HD -> 288 fibres in 4U	Classic -> 96 fibres in 1U MTP -> 576 fibres in 1U
Connectivity type	LC / SC	LC / SC / ST	LC / SC	MTP - 12 or 24 fibres
Key features	- Simple sliding fibre optic panel - Basic fibre cabling - Direct termination or fusion splice	- Standard sliding fibre optic panel - Standard fibre cabling - Direct termination or fusion splice	High density, space optimization - Standard sliding fibre optic panel - Standard fibre cabling - Direct termination or fusion splice	High density plus 19" panels and pre-connectorized cassettes/links - Bend insensitive fibre - Options of polarity (straight through, reverse, pair flipped) - Secured delivery time for projects - x3 faster compared to standard installation - Project mode

FL-C Fibre optic Unicam connectors

Specifications

- Unicam optic connectors suitable for quick and easy direct termination with tight buffered fibre optic cables inside optic patchpanels and/or at workstation:
 - less than 1 minute to connect a Unicam to a tight buffered fibre
 - does not require polishing unlike other no epoxy connectors. Controlled endface processing is part of the factory process
 - zirconia ceramic material ferrules
 - colored housings and boots to identify quickly performances of connectors: OM1: beige housing / Beige boot, OM2: black or beige housing / Black boot, OM3/OM4: black housing / Aqua boot, OS2: blue housing / Blue boot
- The Unicam connector can best be described as a mini pigtail. It incorporates a factory installable fibre stub that is fully bonded into the ferrule. The other end of the fibre is precisely cleaved and placed into the patented alignment mechanism of our mechanical splice. Both the field fibre and fibre stub are fully protected from environmental factors.

Performances

- SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed. 2
- LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed. 2
- ST connectors compliant with TIA/EIA 604-2 and IEC 61754-2.

Unicam multimode connectors

Type	Qty/pack	Ref. No
Unicam connector OM1 62.5/125 SC	1	VDIB502101U
Unicam connector OM1 62.5/125 ST	1	VDIB501101U
Unicam connector OM1 62.5/125 LC	1	VDIB504101U
Unicam connector OM2 50/125 SC	1	VDIB502201U
Unicam connector OM2 50/125 ST	1	VDIB501201U
Unicam connector OM2 50/125 LC	1	VDIB504201U
Unicam connector OM3/OM4 50/125 SC	1	VDIB502301U
Unicam connector OM3/OM4 50/125 LC	1	VDIB504301U

P67232

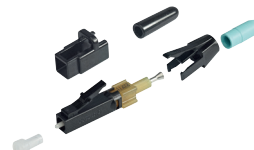
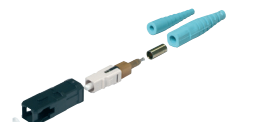
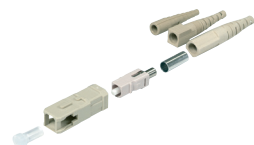
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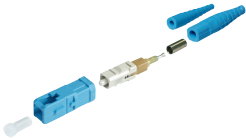
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P133691

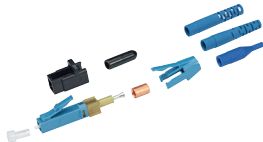




P133888



P134791



VDIB699100



P134686



Unicam singlemode connectors

Type	Qty/pack	Ref. No
Unicam connector OS2 9/125 SC	1	VDIB502501U

Unicam connector OS2 9/125 LC	1	VDIB504501U
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FL-C Fibre optic Unicam toolkits and accessories

Unicam toolkits and accessories

Type	Ref. No
Cleaver	VDIB699100

Visual Fault Locator VFL	VDIB699005U
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Toolkit Unicam High Performance	VDIB699006U
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Specifications

- Camsplince so

- less than 2 minutes to connect fibres through Camsplice connector
- completed splices fit into the Actassi optic cassette thanks to the fixation spreader for Camsplice

- The Camsplice connector incorporates a unique fibre alignment mechanism that self-centers the fibres and provides accurate alignment.

Type

Camsplice connector	VDIB699021M
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Toolkit CamsplICE VDIB699022M

CamsplICE Tool	VDIB699023M
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Fixation spreader for 5 Camsplíce connectors	VDIM15C201
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Heat Shrink protective devices for fusion splice	VDIF090401
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Fusion splice holder	VDIF090301
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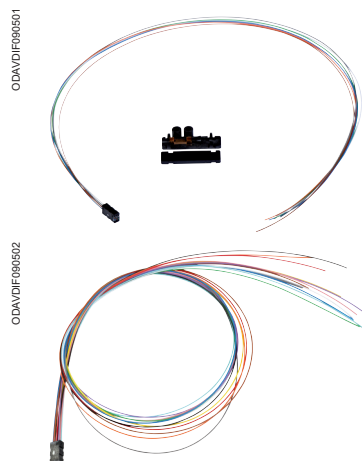
Fibre spreaders: Helps transforming a loose tube fibre structure at 250 μm into a tight buffer structure at 900 μm in case of connection needed

- Capacity: 6 o

- Capacity: 6 or 12 optical fibres in loose tube.
- For cable tubes with 2.4 mm and 3 mm diameters.
- 900 μm optical fibre sheath.
- Sheath length: 0.6 m.
- Fibre diameter accepted: 250 μm .

Type

6 FO spreader	VDIF090501
---------------	------------

12 FO spreader VDIF090502

Connectors

EMEAS

Cold cured and Heat cured

FL-C Fibre optic Cold cured and Heat cured connectors

■ Cold cured optic connectors combining the quick-cure convenience of anaerobic adhesive with the performances of epoxy and polish connectors for installations inside optic patchpanels and/or at workstation

- requires less than 4 minutes to assemble and polish the connector
- does not require electrical power to install
- hand polish

■ The anaerobic adhesive uses a two-part epoxy process. The adhesive is first injected into the connector ferrule. The fibre is dipped into the primer and inserted into the connector. Curing takes one minute without the use of lamp or oven. Then the fibre of the connector requires manual polishing through different grades of sand papers.

■ Heat cured connectors can be used according to installations standards of cold cured connectors.

Cold cured connectors

■ Connectors delivered with boots for 900 µm, 2 and 3 mm jacketed cables, crimp rings for 2 and 3 mm jacketed cables (and 1.6 mm for LC version)

■ Color coding for easy identification of performances (both black and aqua boots for Multimode, blue boot for singlemode)

■ Zirconia ceramic material ferrules.

Heat cured connectors

■ Connectors delivered with boot for 900 µm cables (beige boot for Multimode, blue boot for singlemode)

■ Zirconia ceramic material ferrules.

Performances

- SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed. 2
- LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed. 2
- ST connectors compliant with TIA/EIA 604-2 and IEC 61754-2.

Connectors multimode

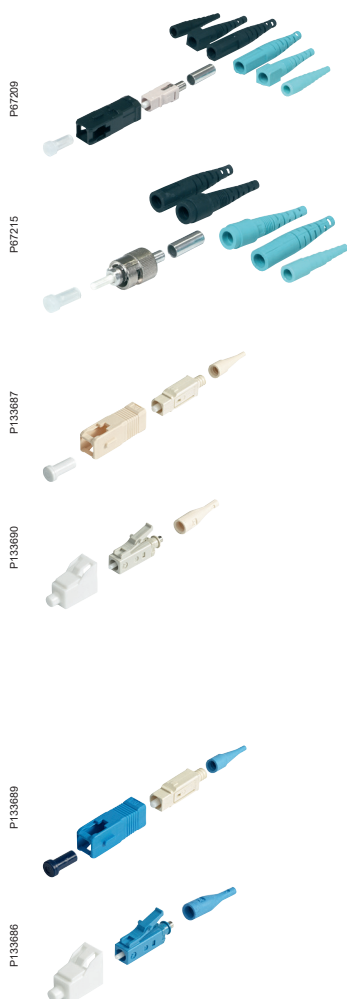
Type	Qty/pack	Ref. No
Cold cured Connector MM 50/125 SC	1	VDIB502201C
Cold cured Connector MM 50/125 ST	1	VDIB501201C
Cold cured Connector MM 50/125 LC	1	VDIB504201C
Heat cured Connector MM 50/125 SC	100	VDIB502201H
Heat cured Connector MM 50/125 LC	100	VDIB504201H

Connectors singlemode

Type	Qty/pack	Ref. No
Cold cured Connector SM 9/125 SC	1	VDIB502501C
Cold cured Connector SM 9/125 LC	1	VDIB504501C
Heat cured Connector SM 9/125 SC	100	VDIB502501H

FL-C Fibre optic accessory

Accessory	Ref. No
Cleaver	VDIB699100



Schneider Electric offers the customer access to the most popular connector and adaptor types including the new Actassi connector. The Actassi fibre optic connectors and Adaptors are superior products delivering the best networking performance when used in conjunction with Actassi fibre optic products.

Specifications

- Optic pigtails suitable for splices terminaion with fibre optic cables inside optic patchpanels and/or at workstation:
- zirconia ceramic material ferrules
- colored housing to identify quickly performances of the connectors.

Performances

- SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed.2
- LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed.2
- ST connectors compliant with TIA/EIA 604-2 and IEC 61754-2
- MTRJ connectors compliant with TIA/EIA 604-12 and IEC 61754-18.

TFCSM3_ST_Con



ACTFCSCSM3

TFCSMM3



ACTFCSCMM3

TFCLCMM1



ACTFCLCMM1

TFONTJMM2_MTRJ_Conn



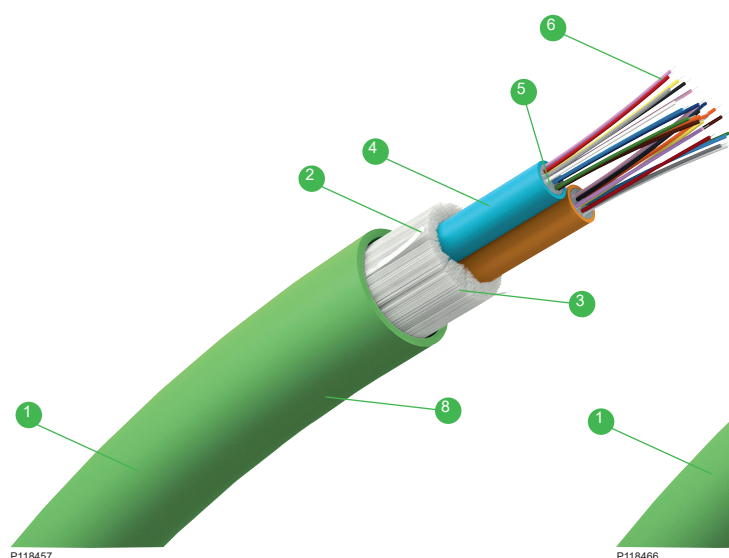
ACTFCMTRJMM2

Description	Ref. No
SC connectors	
SC connector, single-mode, 3.0 mm	ACTFCSCSM3
SC connector, single-mode, 0.9 mm	ACTFCSCSM9
SC connector, multi-mode, 3.0 mm	ACTFCSCMM3
SC connector, multi-mode, 0.9 mm	ACTFCSCMM9
LC connectors	
LC connector, single-mode, 1.6 mm	ACTFCLCSM1
LC connector, single-mode, 3.0 mm	ACTFCLCSM3
LC connector, multi-mode, 1.6 mm	ACTFCLCMM1
LC connector, multi-mode, 3.0 mm	ACTFCLCMM3

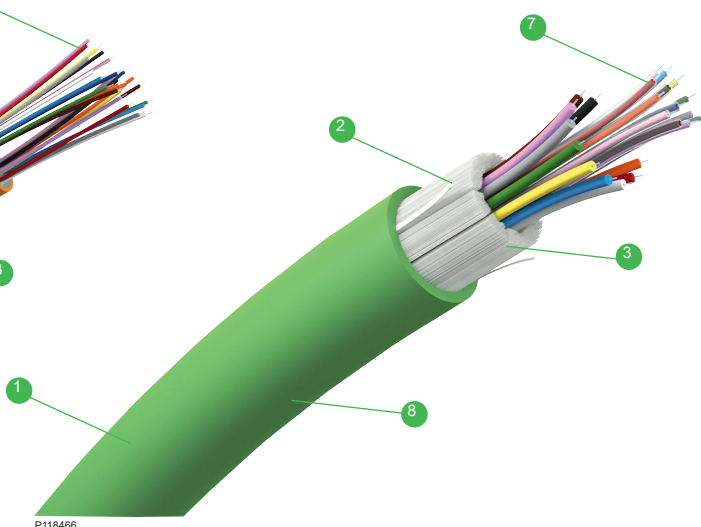
Actassi fibre optic cables

Actassi Fibre LAN range is adapted to the familiar ways of installing optic connectors and pigtails (SC, LC, ST). The range is available under 2 different structures: tight buffered and Loose tube to be used for direct connector termination and for splicing respectively. Both structures are suitable for indoor and specific outdoor installations.

Loose tube



Tight buffered



1 Robust sheath

Tensile strength

Reinforces the tensile strength of the cable.

Robustness

High maximum pulling force and crush resistance of the cable during installation.

UV resistance

Resistance to UV degregation.

Colours

Distinct colours to identify strategic cables and prevent mistakenly cutting the cable.

2 Water swellable elements

Provide a protective barrier against longitudinally water ingress while guaranteeing cable performance.

3 100 % glass yarns

Reinforcing the tensile strength of the cable. Acting as rodent retardant.

4 Innovative design

Innovative design of dual loose tube structure to help simplify the installation.

5 Gel

Provides a protective barrier against longitudinal water ingress while guaranteeing cable performance.

Coating

6 250 µm coating

7 900 µm coating

8 Compact for improved bending radius

The compact design of the cables gives several benefits:

- Reduced bending radius: 10 x diameter (static) and 20 x diameter (dynamic)
- Reduced diameter and increased installation space.

Packaging

Packaging adapted to our customers requests (convenient small sized drums or cut to length).



Colour code

Fibre no.1 to no.12 according to the following colours.

1	Blue	
2	Orange	
3	Green	
4	Brown	
5	Grey	
6	White	
7	Red	
8	Black	
9	Yellow	
10	Violet	
11	Rose	
12	Aqua	

Fibre no.13 to no.24: idem + transparent



Environment-friendly



LSZH

LSZH (Low Smoke Zero Halogen) sheath according to test methods IEC 61034 (smoke density), IEC 60754-1 (gas toxicity), IEC 60754-2 (gas corrosiveness).

Flame retardant

Flame retardant (self extinguishing) according to IEC 60332-1.

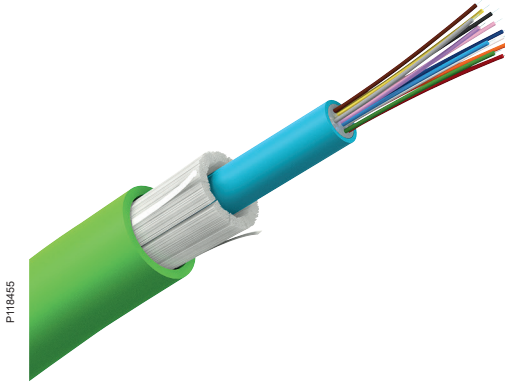
Fire retardant

Fire retardant (no fire propagation along the cable) according to IEC 60332-3C.



RoHS and REACH

RoHS compliance according to UE directive.
REACH compliance.
PeP available for the range.



FL-C Loose tube Fibre optic cables

Specifications

- Compact and universal cables suitable for indoor and specific outdoor installations:
 - low Smoke Zero Halogen (LSZH) green coloured external sheath
 - UV resistant
 - dielectric
 - high tensile strength
 - rodent retardant
 - longitudinally watertight
- Loose tube gel-filled cable construction with 250 µm coating available in unitube structure for 4, 6, 8 and 12 fibres and bitube structure for 24 fibres
- Flame retardant according to IEC 60 332-1, EN 50 265 2.1, NF C 32 070 2.1 (Category C2),
- Euroclass D_{CA} s₂ d₂ a₂.

Performances

- OM3 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.2 and ISO/IEC 11801 Ed3.0 OM3
- OM4 50/125 compliant with IEC 60793-2-10 Type A1a.3, ISO/IEC 11801 Ed3.0 OM4
- OS1/OS2 9/125 compliant with ITU G.652.D, IEC 60793-2-50 Type B1.3, ISO/IEC 11801 Ed3.0 OS2
- Cable mechanical characteristics tested according to IEC 60794-1.

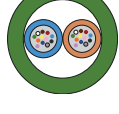
Use

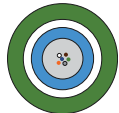
- High data rate fibre optic backbones for building and campus
- Suitable for splicing termination: installation with pigtails by fusion or mechanical splices.

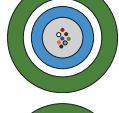
Cables

EMEAS

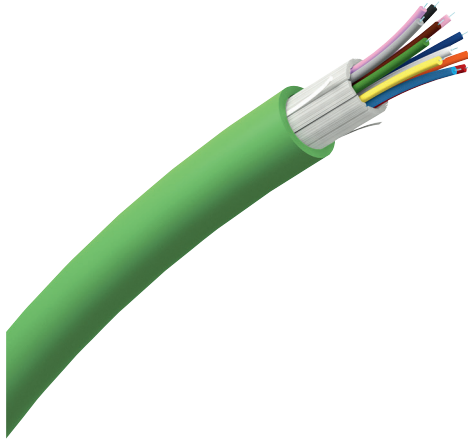
Range Loose tube

P118459 P120001			OM3 50/125 µm		
			Type	Length	Ref. No
			Optic cable Indoor/outdoor OM2 50/125 µm multimode fibres, green overall jacket.		
P118455 P120003			OM3 50/125, Loose tube, 6 fibres	525 m	VDICD42306L
				2100 m	VDICD52306L
				Cut to length	VDICD52306LM
P118457 P120004			OM3 50/125, Loose tube, 12 fibres	525 m	VDICD42312L
				2100 m	VDICD52312L
				Cut to length	VDICD52312LM
			OM3 50/125, Loose tube, 24 fibres	525 m	VDICD42324L
				2100 m	VDICD52324L
				Cut to length	VDICD52324LM

P118459 P120001			OM4 50/125 µm		
			Type	Length	Ref. No
			Optic cable indoor/outdoor, OM4 50/125 µm multimode fibres, green overall jacket.		
P118455 P120003			OM4 50/125, Loose tube, 6 fibres	2100 m	VDICD52406L
				Cut to length	VDICD52406LM
			P118457 P120004		
	Cut to length	VDICD52412LM			
	OM4 50/125, Loose tube, 24 fibres	2100 m			
				Cut to length	VDICD52424LM

P118460 P120000			OS1/OS2 9/125 µm		
			Type	Length	Ref. No
			Optic cable indoor/outdoor, OS1/OS2 9/125 µm single-mode fibres, green overall jacket.		
P118459 P120001			OS1/OS2 9/125, Loose tube, 4 fibres	2100 m	VDICD52504L
				Cut to length	VDICD52504LM
			P118458 P120002		
	2100 m	VDICD52506L			
	Cut to length	VDICD52506LM			
P118455 P120003			OS1/OS2 9/125, Loose tube, 8 fibres	2100 m	VDICD52508L
				Cut to length	VDICD52508LM
			P118457 P120004		
	2100 m	VDICD52512L			
	Cut to length	VDICD52512LM			
			OS1/OS2 9/125, Loose tube, 24 fibres	525 m	VDICD42524L
				2100 m	VDICD52524L
				Cut to length	VDICD52524LM

P118465



FL-C Tight buffered Fibre optic cables

Specifications

- Compact and universal cables suitable for indoor and specific outdoor installations:
- low Smoke Zero Halogen (LSZH) green coloured external sheath
- UV resistant
- dielectric
- high tensile strength
- rodent retardant
- longitudinally watertight
- Tight buffered gel-free cable construction with 900 µm coating
- Flame retardant according to IEC 60 332-1, EN 50 265 2.1, NF C 32 070 2.1 (Category C2). Fire retardant according to IEC 60 332-3 C, EN 50 266, NF C 32 070 2.2 (Category C1),
- Euroclass D_{CA} s₂ d₂ a₂.

Performances

- OM3 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.2 and ISO/IEC 11801 Ed3.0 OM3
- OM4 50/125 compliant with IEC 60793-2-10 Type A1a.3, ISO/IEC 11801 Ed3.0 OM4
- OS1/OS2 9/125 compliant with ITU G.652.D, IEC 60793-2-50 Type B1.3, ISO/IEC 11801 Ed3.0 OS2
- Cable mechanical characteristics tested according to IEC 60794-1.

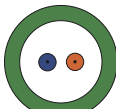
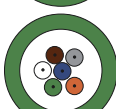
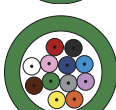
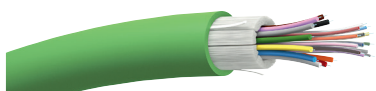
Use

- High data rate fibre optic backbones for building and campus
- Horizontal cable (FTTD Fibre to the desk) with the 2 fibres
- Suitable for direct termination: installation with connectors (prefibred, cold-cured and/or heat-cured types).

Cables

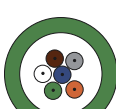
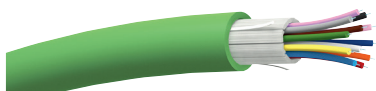
EMEAS

Range Tight buffered

P118461
P120010P118463
P120006P118465
P120008P118466
P120009

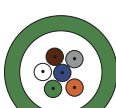
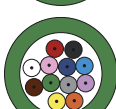
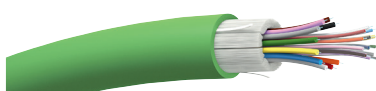
OM3 50/125 µm

Type	Length	Ref. No
Optic cable Indoor/outdoor OM2 50/125 µm multimode fibres, green overall jacket.		
OM3 50/125, Tight buffered, 2 fibres	2100 m	VDICD52302T
	Cut to length	VDICD52302TM
OM3 50/125, Tight buffered, 6 fibres	525 m	VDICD42306T
	2100 m	VDICD52306T
	Cut to length	VDICD52306TM
OM3 50/125, Tight buffered, 12 fibres	525 m	VDICD42312T
	2100 m	VDICD52312T
	Cut to length	VDICD52312TM
OM3 50/125, Tight buffered, 24 fibres	525 m	VDICD42324T
	2100 m	VDICD52324T
	Cut to length	VDICD52324TM

P118463
P120006P118465
P120008P118466
P120009

OM4 50/125 µm

Type	Length	Ref. No
Optic cable indoor/outdoor, OM4 50/125 µm multimode fibres, green overall jacket.		
OM4 50/125, Tight buffered, 6 fibres	2100 m	VDICD52406T
	Cut to length	VDICD52406TM
OM4 50/125, Tight buffered, 12 fibres	2100 m	VDICD52412T
	Cut to length	VDICD52412TM
OM4 50/125, Tight buffered, 24 fibres	2100 m	VDICD52424T
	Cut to length	VDICD52424TM

P118463
P120006P118465
P120008P118466
P120009

OS1/OS2 9/125 µm

Type	Length	Ref. No
Optic cable indoor/outdoor, OS1/OS2 9/125 µm single-mode fibres, green overall jacket.		
OS1/OS2 9/125, Tight buffered, 6 fibres	525 m	VDICD42506T
	2100 m	VDICD52506T
	Cut to length	VDICD52506TM
OS1/OS2 9/125, Tight buffered, 12 fibres	525 m	VDICD42512T
	2100 m	VDICD52512T
	Cut to length	VDICD52512TM
OS1/OS2 9/125, Tight buffered, 24 fibres	525 m	VDICD42524T
	2100 m	VDICD52524T
	Cut to length	VDICD52524TM



Cables

APAC

Indoor building cables, LSZH

Indoor duct cables

The Actassi indoor building cable is designed to provide superior optical performance. These flexible, flame retardant cables are for use indoors. All cables use high quality single-mode or multi-mode fibres. Each fibre is coated to 900 microns with durable, protective material. buffers are colour-coded. The buffered fibres are surrounded by aramid yarns for strength, and are covered with Low Smoke Zero Halogen (LSZH) sheath to meet tough emission control.

Product features

- High quality and compact design
- Small diameter and bend radius
- Compliant with Bellcore GR-409-core and ANSI/TIA/EIA-568C, ISO/IEC 11801 standards.

Customer benefits

- Easy to terminate
- Easy installation in space constrained area.

General specifications

Fibre selections

Single-mode	OS2, BSMF (bend-insensitive G.657A2)
Multi-mode	OM1, OM2, OM3, OM4

Cable sheath colours

Single-mode	Yellow
Multi-mode	Orange (OM1, OM2)
	Aqua (OM3, OM4)

TB04SM9PVC_TightBufferIdig



ACTNDB04SM9FR

Description

Ref. No

Indoor building, xx-core, 9/125 µm single-mode OS2, LSZH	ACTNDxxSM9LS
Indoor building, xx-core, 50/125 µm multi-mode OM3, LSZH	ACTNDTGxxMMLS
Indoor building, xx-core, 50/125 µm multi-mode OM4, LSZH	ACTNDxxMM5XLS

Where **xx** denotes fibre counts (e.g. 02/04/06/08/12/16/24/48).



Cables

APAC

Indoor/outdoor LSZH duct cables

The Actassi indoor/outdoor LSZH cable is a Low Smoke Zero Halogen (LSZH) cable that provides excellent anti-flame performance. The need for splicing between indoor and outdoor cables can be eliminated. The tubes are surrounded by aramid yarns and are covered by a low smoke, flame-retardant jacket for protection. A direct outdoor to indoor transition can be completed with this single cable.

The indoor/outdoor LSZH cable passed the following tests:

- IEC 754 part 3, acidity/corrosively based on pH and conductivity measurements
- IEC 332 part 3, flammability and fire retardant
- NES 713, toxicity index
- IEC 1034, smoke emissions.

Product features

- Complies with ANSI/TIA/EIA-568-C, ISO/IEC11801 standards
- All dielectric self-supporting fibre
- Filled with water-resistant filling compound
- LSZH or PE rated.

Customer benefits

- Supports 100 Gigabit ethernet application
- Suitable for indoor/outdoor or inter/intra building backbones installation
- Water-blocking
- Excellent anti-flame performance.

DD06SMLSZH_IndoorLSZH-Bdg2



ACTNUD04MM5LS

Description	Ref. No
Indoor/outdoor, xx-core, 50/125 µm multi-module OM3, LSZH	ACTNUDxxMM5TLS
Indoor/outdoor, xx-core, 50/125 µm multi-module OM4, LSZH	ACTNUDxxMM5XLS

Where **xx** denotes fibre counts (e.g. 04/06/08/12/16/24).



Cables

APAC

Unitube non-armoured cables

Duct, Aerial cables

The Actassi unitube non-armoured cable is housed in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. Over the tube, water-blocking material is applied to keep the cable watertight. Two parallel steel wires are placed at the two sides of the cable. The cable is covered with a polyethylene (PE) sheath.

Product features

- Accurate fibre excess length
- High strength loose tube
- Two parallel steel wires
- PE sheath
- Small diameter, lightweight and hassle-free installation
- Long delivery length.

Customer benefits

- Accurate fibre excess length ensures good mechanical and temperature performance
- High strength loose tube is hydrolysis resistant and special tube filling compound ensures critical protection of fibre
- Two parallel steel wires ensure tensile strength
- PE sheath protects cable from ultraviolet radiation
- Flame retardant sheath protects cable from fire.

UTNA02SM9_UnitubeNonArm



ACTUDUTNA04SM9

Description	Ref. No
Unitube non-armoured, xx-core, 9/125 µm single-module OS2, PE	ACTUDUTNAxxSM9
Unitube non-armoured, xx-core, 50/125 µm multi-module OM2, PE	ACTUDUTNAxxMM5
Unitube non-armoured, xx-core, 50/125 µm multi-module OM3, PE	ACTUDUTNAxxMM5T
Unitube non-armoured, xx-core, 50/125 µm multi-module OM4, PE	ACTUDUTNAxxMM5X

Where **xx** denotes fibre counts (e.g. 04/06/08/12/16/24).



Cables

APAC

Unitube light-armoured cables

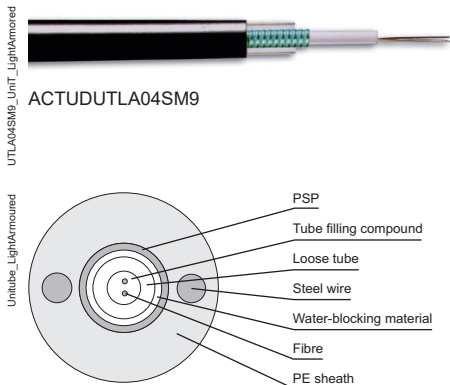
The Actassi Unitube light-armoured cable features a loose tube, made of a high modulus plastic. The tube is filled with a water-resistant filling compound and is longitudinally wrapped with a layer of Polyethylene Steel Polyethylene (PSP). Between the PSP and the loose tube, water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the steel tape. The cable is covered with a polyethylene (PE) sheath.

Product features

- Accurate fibre excess length
- High strength loose tube
- Specially designed compact structure and PE sheath
- Crush resistant and flexible
- PSP enhances the cable's crush-resistance, impact-resistance and moisture-proofing
- Two parallel steel wires ensure tensile strength
- Small diameter, lightweight and hassle-free installation
- Long delivery length

Customer benefits

- Accurate fibre excess length ensures good mechanical and temperature performance.
- High strength loose tube is hydrolysis resistant and special tube filling compound ensures critical protection of fibre.
- Specially designed compact structure prevents loose tubes from shrinking.
- PE sheath protects cable from ultra-violet radiation.
- Flame-retardant sheath protects cable from fire.



Description	Ref. No
Unitube light-armoured, xx-core, 9/125 µm single-module OS2, PE	ACTUDUTLAxxSM9
Unitube light-armoured, xx-core, 50/125 µm multi-module OM2, PE	ACTUDUTLAxxMM5
Unitube light-armoured, xx-core, 50/125 µm multi-module OM3, PE	ACTUDUTLAxxMM5T
Unitube light-armoured, xx-core, 50/125 µm multi-module OM4, PE	ACTUDUTLAxxMM5X

Where **xx** denotes fibre counts (e.g. 04/06/08/12/16/24).



Cables

APAC

Stranded loose tube light-armoured

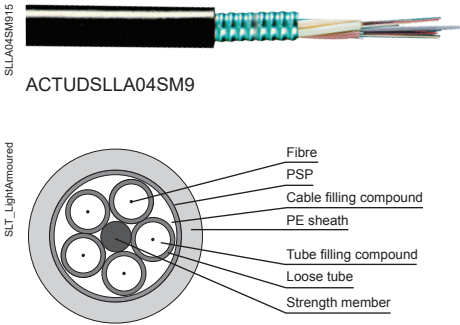
The Actassi Stranded loose tube light-armoured cable is housed in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sheathed with polyethylene (PE) is used for cables with high fibre counts and is located in the core centre to act as a metallic strength member. Tubes and fillers are stranded around the strength member into a compact and circular cable core. Polyethylene Steel Polyethylene (PSP) is longitudinally applied over the cable core, and the core is then filled with a filling compound to protect it from water ingress. The cable is covered with a PE sheath.

Product features

- Accurate fibre excess length
- High strength loose tube
- Specially designed compact structure
- Crush resistant and flexible
- Tight water-resistant measures - steel wire used as central strength member, loose tube filling compound, 100 % cable core filling, PSP enhancing moisture-proofing and water-blocking material.

Customer benefits

- Accurate fibre excess length ensures good mechanical and temperature performance
- High strength loose tube is hydrolysis resistant and special tube filling compound ensures critical protection of fibre
- Specially designed compact structure prevents loose tubes from shrinking.



Description	Ref. No
Stranded loose tube light-armoured, xx-core, 9/125 µm single-module OS2, PE	ACTUDSLLAxxSM9
Stranded loose tube light-armoured, xx-core, 50/125 µm multi-module OM2, PE	ACTUDSLLAxxMM5
Stranded loose tube light-armoured, xx-core, 50/125 µm multi-module OM3, PE	ACTUDSLLAxxMM5T
Stranded loose tube light-armoured, xx-core, 50/125 µm multi-module OM4, PE	ACTUDSLLAxxMM5X

Where **xx** denotes fibre counts (e.g. 04/06/08/12/16/24/30/36/48/72/96/144).



Cables

APAC

Stranded loose tube armoured cables

The Actassi Stranded loose tube Armoured cable (with moisture barrier) is housed in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sheathed with polyethylene (PE) is used for cables with high fibre counts and is located in the core centre to act as a metallic strength member.

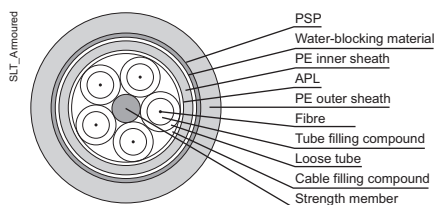
Tubes and fillers are stranded around the strength member into a compact and circular cable core. An Aluminium Polyethylene Laminate (APL) is applied around the cable core, which is then filled with filling compound to protect it from water-ingress. The cable core is covered with a thin PE inner sheath. After the Polyethylene Steel Polyethylene (PSP) is longitudinally applied over the inner sheath, the cable is covered with a PE outer sheath.

Product features

- Accurate fibre excess length
- High strength loose tube
- Specially designed compact structure
- Crush resistant and flexible
- Tight water-resistant measures - steel wire used as central strength member, loose tube filling compound, 100 % cable core filling, APL moisture barrier, PSP enhanced moisture-proofing and water-blocking material.

Customer benefits

- Accurate fibre excess length ensures good mechanical and temperature performance
- High strength loose tube is hydrolysis resistant and special tube filling compound ensures critical protection of fibre
- Specially designed compact structure prevents loose tubes from shrinking.



Description	Ref. No
Stranded loose armoured, xx-core, 9/125 µm single-module OS2, PE	ACTUDSLAMxxSM9
Stranded loose armoured, xx-core, 62.5/125 µm multi-module OM1, PE	ACTUDSLAMxxMM6
Stranded loose armoured, xx-core, 50/125 µm multi-module OM2, PE	ACTUDSLAMxxMM5
Stranded loose armoured, xx-core, 50/125 µm multi-module OM4, PE	ACTUDSLAMxxMM5X

Where **xx** denotes fibre counts (e.g. 04/06/08/12/16/24/30/36/48/72/96/144).

Actassi FL-MLink Pre-terminated solution

EMEAS



3

Answering to your quick deployment and high reliability need

Actassi Pre-terminated solution is a new Schneider Electric solution for data centres and IT room applications, covering the following requirements:

100 %

pre-assembled and pre-tested in factory.



Plug & play fibre optic solution.

High density and performance for data centres

- Up to 96 ports in 1U, up to 576 fibres
- MTP connector: MPO technical evolution which guarantees better robustness
- OM3, OM4, OS2, Bend Insensitive, Indoor/Outdoor
- Fan out splitter protections
- Ready to support 10 G, 40 G and 100 G performances
- Fully compliant to following international standards

High security for your network

- Complete plug & play systems
- Pre-equipped cassettes, panels, standard and cassettes all types of links
- Expertise: factory 100 % pre-assembled and 100 % pre-tested
- On demand length to adjust to end user needs

Time secured for installation on site

- Delivery secured
- x3 faster installation compared to standard optic offer: save connection time on site, only deploy links and then reduce human intervention on site

Scalable and adaptable

- Pay as you grow
- Make your data centre evolve according to your needs
- Extensions possible thanks to on demand links

Energy efficient thanks to "Green environment"

- Fibre use
- Reduce up to 90 % of waste on site



Panel for cassette

- Empty sliding panel 1U, 19"
- Depth 257 mm
- Unit packaging
- Painting Epoxy RAL 9005 - Black color
- Provided with 2 cage nuts M6 compatible with perforations 8.5 x 8.5 mm and 9.5 x 9.5 mm.

Overhead support for cassette

- Fixing under cable tray / mesh tray
- Passive optic network easy to relocate, bring flexibility in data centre
- Compliant with all cassettes VDILC*
- Unit packaging
- Painting Epoxy RAL 9005 - Black color
- Provided with 2 fixation screws.

Sealing plate

- Metallic face plate 1U and 1/2U
- Easy mounting on panels
- Obturation for cassette (1U) or half size (1/2U)
- Unit packaging
- Painting Epoxy RAL 9005 - Black color
- Provided with 2 screws with unloosable screws.

MTP adapters

- 1U support equipped with MTP adapters
- Use for connectors MTP 12 and 24 fibres
- Mounted on cassettes and overhead patch support for cassettes
- Each adapter is equipped with cap.

MTP adapters cont.

- Color code with adapters:
 - OM3: aqua, OM4: magenta, OS2: green
- Unit packaging
- Painting Epoxy RAL 9005 - Black color
- Provided with 2 fixation screws.

MTP Helper

- White plastic helper for protecting and holding the MTP connector
- Applied force ≤50N
- Reusable
- Applicable for all MTP trunk cables and MTP fanout in our offer

Cleaning tools

- Optic connectors have to be cleaned before any use for connections in order to ensure the best optic performance.
- Cleaning tools mandatory for SC, LC ou MTP connectors
- Cleaning in 1 action, Clean all type of residual
- More than 500 cleaning use for 1 single cleaning tool
- Adaptation for adapters
- RoHS compliant
- Unit packaging.

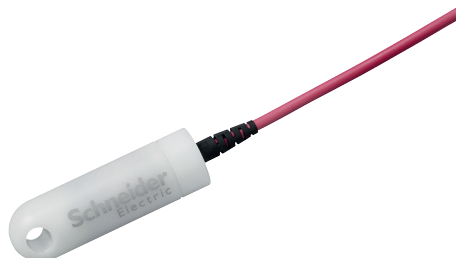
Demo kit

- Aluminium pack
- Pack equipped with:
 - 1 optic panel equipped 96 LCq / 4*24 MTP
 - 1 cassette 6*24 MTP pre-terminated 6*24 MTP - 2 meters
 - 1 link 24 LC preterminated 1*24 MTP - 2 meters
 - 1 tool MTP
- Dimensions: 550 x 430 x 195 mm
- Unit packaging.

Empty panels and accessories

Type	Ref. No
Empty panel 1U 19" for 4 cassettes or 8 half size cassettes	VDILP3
Overhead panel for 1 cassette 257 mm	VDILP5
Sealing plate 1 slot 1U for VDILP3	VDILA1
Sealing plate 1 slot 1/2U for VDILP3	VDILA2
Plate equipped with 6 adapters MTP OM3 for VDILP3	VDILA33
Plate equipped with 6 adapters MTP OM4 for VDILP3	VDILA34
Plate equipped with 6 adapters MTP OS2 for VDILP3	VDILA36
MTP Helper	VDILA6
Cleaning tool LC	VDILA501
Cleaning tool SC	VDILA503
Cleaning tool MTP	VDILA504
Demo kit	VDILA4

P147240



P140772



Optic panels pre-connectorized SC/LC/LCq to MTP**Specifications**

- Metallic panels equipped with optic connectors pre-connectorized in factory
- 48 ports (SC or LC) and 96 ports (LCq) in 1U
- Depth 270 mm
- Pre-Tested panels in factory. Traceability per serial number
- Closed panels and equipped panels with immunity labels
- Color code with SC/LC/LCq adapters:
 - OM3: aqua
 - OM4: magenta
 - OS2: bleu
- MTP at the rear with 12 or 24 ports
- Color code MTP adapters:
 - OM3: aqua
 - OM4: magenta
 - OS2: vert
- Optic Standards: ANSI/TIA-568-C.0-2-2012
- Unit packaging
- Epoxy RAL 9005 - Black color
- Provided with 2 cage nuts M6 compatible with perforations 8.5 x 8.5 mm and 9.5 x 9.5 mm
- Transparent SC connector to ease testing
- Male MTP connector by default, female MTP connector is also available upon request
- Low loss connector is available upon request.

Performances

- Optic Standards: ANSI/TIA-568-C.0-2-2012
- OM3, OM4, OS2.

Pre equiped fibre panel SC / LC / LCq to MTPm

Performance	Connector		MTP	Ref. No
	Type	Number		
OM3	LC	48	2 x 24	VDILP131S5L
			4 x 12	VDILP131S5F
	LCq	96	4 x 24	VDILP132U5N
			8 x 12	VDILP132U5H
	SC	48	2 x 24	VDILP133S5L
			4 x 12	VDILP133S5F
OM4	LC	48	2 x 24	VDILP141S5L
			4 x 12	VDILP141S5F
	LCq	96	4 x 24	VDILP142U5N
			8 x 12	VDILP142U5H
	SC	48	2 x 24	VDILP143S5L
			4 x 12	VDILP143S5F
OS2	LC	48	2 x 24	VDILP161S5L
			4 x 12	VDILP161S5F
	LCq	96	4 x 24	VDILP162U5N
			8 x 12	VDILP162U5H
	SC	48	2 x 24	VDILP163S5L
			4 x 12	VDILP163S5F

P140773



Pre-connectorized optic cassette SC/LC to MTP**Specifications**

- Pre-terminated optic cassettes enable architecture evolution according to your needs -> Pays as you grow
- Metallic cassettes are 100 % pre-equipped and pre-tested with optic connectors at factory site
- Optic cassettes 12 and 24 ports in 1U
- Optic cassettes 12 ports in 1/2U
- Traceability per serial number
- Cassettes can be mounted in cassette panel VDILP3 (4 cassettes capacity) and in overhead support VDILP5 (1 cassette capacity)
- Color code with SC/LC/LCq adapters:
 - ☐ OM3: aqua
 - ☐ OM4: magenta
 - ☐ OS2: blue
- MTP at the rear with 12 or 24 ports
- Color code MTP adapters:
 - ☐ OM3: aqua
 - ☐ OM4: magenta
 - ☐ OS2: green
- Optic Standards: ANSI/TIA-568-C.0-2-2012
- Unit packaging
- Epoxy RAL 9005 - Black color
- Provided with 2 fixation screws
- Transparent SC connector to ease testing
- Male MTP connector by default, female MTP connector is also available upon request
- Low loss connector is available upon request.

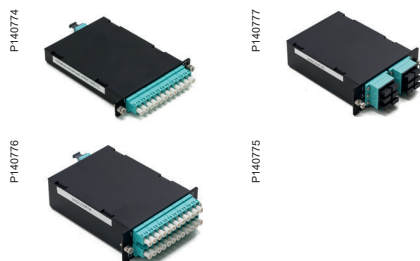
Performances

- Optic Standards: ANSI/TIA-568-C.0-2-2012
- OM3, OM4, OS2.

Cassette MTP preterminated LC or SC

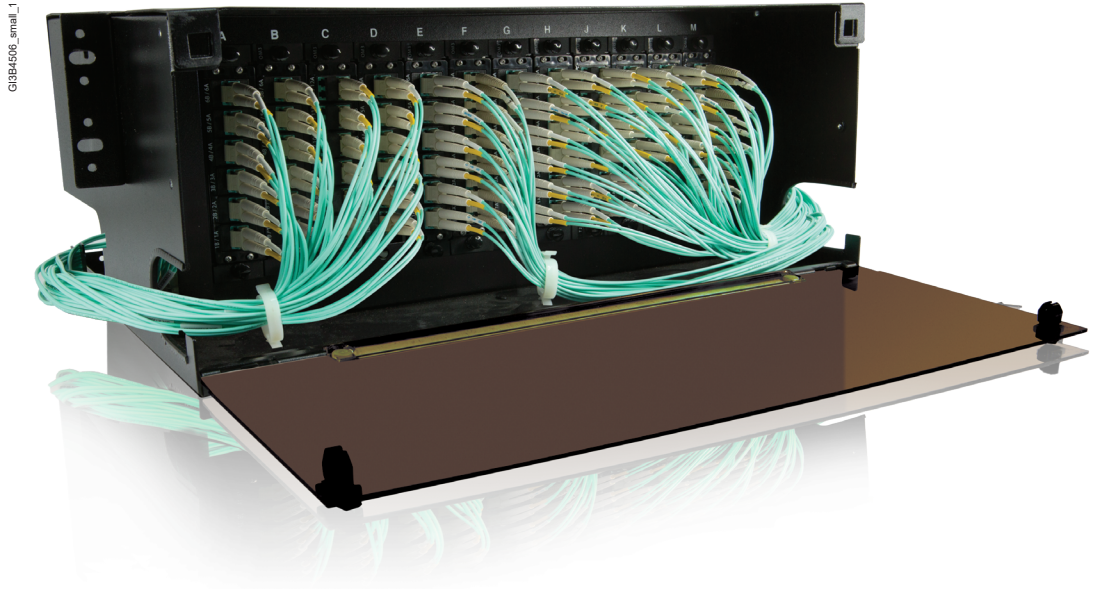
Performance	Connector Type	Number	MTP	Ref. No
OM3	LC	12	1 x 12	VDILC135C1C*
				VDILC235C1C
			24	VDILC235K1K
	SC	12	1 x 12	VDILC235D1D
				VDILC235C3C
			24	VDILC245C1C*
OM4	LC	12	1 x 12	VDILC245C1C
				VDILC245K1K
			24	VDILC245D1D
	SC	12	1 x 12	VDILC245C3C
				VDILC165C1C*
			24	VDILC265C1C
OS2	LC	12	1 x 12	VDILC265K1K
				VDILC265D1D
			24	VDILC265C3C
	SC	12	1 x 12	

(*) Cassette half size (1/2U).



Actassi FL-MLink Pre-terminated solution

APAC



Answering to your quick deployment and high reliability needs

Schneider Electric FL-MLink system is a pre-terminated optical fibre cabling system specifically designed to satisfy the increasing demand for high bandwidth and high density in data center network, enterprise building applications.

Factory-terminated solutions provide improved system performance; ensure component compatibility and consistent quality. The FL-MLink (MTP Brand) System significantly reduces installation time and cost by simplifying the process of deploying an optical network in the limited space environment, particularly in data center applications.

100 %

pre-assembled
and pre-tested in
factory.

High density and performance for data centres

- > Up to 18 ports in 1U, up to 432 fibres
- > MTP connector: FL-MLink technical evolution which guarantees better robustness
- > OM3, OM4, OS2, Bend Insensitive, Indoor/Outdoor
- > Fan out splitter protections
- > 10 G ready. Ready to support future 40 G performances thanks to chosen polarity
- > Fully compliant to following international standards



Plug & play fibre
optic solution.

High security for your network

- > Complete plug & play systems
- > Pre-equipped cassettes, panels, standard and cassettes all types of links
- > Expertise: factory 100 % pre-assembled and 100 % pre-tested
- > On demand length to adjust to end user needs

Time secured for installation on site

- > Delivery secured
- > x3 faster installation compared to standard optic offer: save connection time on site, only deploy links and then reduce human intervention on site

Scalable and adaptable

- > Pay as you grow
- > Make your data centre evolve according to your needs
- > Extensions possible thanks to on demand links

Energy efficient thanks to "Green environment"

- > Fibre use
- > Reduce up to 90 % of waste on site





Pre-terminated solution

APAC

19-HD fibre panel

Schneider Electric offers an innovative, robust 1U enclosure with sliding mechanism for 3 FL-MLink (MTP Brand) cassettes and 4U enclosure for 12 FL-MLink (MTP Brand) cassettes. It offers a flexible solution to customers, enabling them to incorporate a multi-functional enclosure which allow easy access during installation or maintenance, with no disturbance of existing cables.

This 19-HD fibre panel can fit MTP cassettes as pre-terminated solution or standard fibre adaptor plate for field-termination application.

To answer a higher density need, 19-HD+ fibre panel is also available, which can fit 4 HD+ MTP cassettes, supporting max. 96F MTP-LC pre-terminated solution.

Product features

- Fits 19" standard rack or cabinet
- Accommodate to all available FL-MLink (MTP Brand) cassettes
- 19-HD fibre panel also accommodate standard fibre adaptor plates (refer to page 167)
- Adjustable wiring ring for cable management
- Flexigrass front door with magnetic suction
- Cable gland with "U" rubber seal
- Compliant with EIA-310-D.

Customer benefits

- Support indoor applications for data centre, premise installations, telecommunication networks
- Easy to manage cable assemblies or fan-out cables
- Flexible to manage incoming trunk cables or cable assemblies.

G13B4506



Description	Ref. No
19-HD fibre panel, 1U, fits 3 MTP cassettes, unloaded	ACTMP1U*
19-HD+ fibre panel, 1U, fits 4 MTP cassettes, unloaded	ACTMP1UH
19-HD fibre panel, 4U, fits 12 MTP cassettes, unloaded	ACTMP4U*

(*) Also accommodate standard fibre adaptor plates.

Pre-terminated solution

APAC

MTP cassette

Schneider Electric FL-MLink (MTP brand) fibre cassette / adaptor plate is a repaid and flexible plug and play cable management solution to improve cabling manageability.

Each fibre cassette is pre-installed with factory terminated and tested to assure quality on optical loss performance. The fibre cassette / adaptor plate is flexible to be integrated into 1U/4U 19-HD fibre panel and 19-HD+ fibre panel, which support rapid deployment and reliable cable management of high density data centre infrastructure.

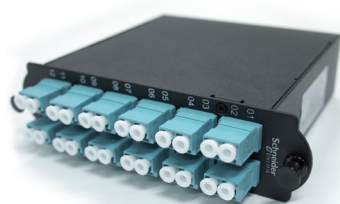
Product features

- MTP (US Conec) brand MPO in standard compliant multi fibre connector
- Standard MTP cassettes and HD+ MTP cassettes for different density need
- Duplex LC adaptors faceplate
- OS2, OM3 and OM4 fibre available
- Factory terminated and tested
- Options of polarity (straight through, reversed, pair flip)
- Compliant with TIA/EIA-568-C.3, ISO/IEC 11801
- Low loss connector by default.

Customer benefits

- Simple installation and reconfiguration for Moves, Adds and Changes (MACs)
- High density easy-plug cassette (12-fibre per cassette as standard)
- Reduces labour cost and saves times on installation and testing
- Offer high precision and robust connectivity
- Superior performance with low insertion loss (≤ 0.5 dB).

P0276520



ACTMMOT24xx

Description	Ref. No
MTP cassette, 12MTPf-LC duplex, 12-core	ACTMMOx12zz
MTP cassette, 12MTPfx2-LC duplex, 24-core	ACTMMOx24zz
MTP cassette, 12MTPm-LC duplex, 12-core	ACTMMQx12zz
Adaptor plate with six aqua MTP adaptors	ACTMANFNC
Blank plate for ACTMP1U and ACTMP4U	ACTMPBP
19-HD+ MTP cassette, 12MTPf-LC duplex, 12-core	ACTMMOx12zzH
19-HD+ MTP cassette, 12MTPfx2-LC duplex, 24-core	ACTMMOx24zzH
19-HD+ MTP cassette, 12MTPm-LC duplex, 12-core	ACTMMQx12zzH
19-HD+ adaptor plate with six aqua MTP adaptors	ACTMANFNCH
19-HD+ Blank plate for ACTMP1UH	ACTMPBPH

- Where **x** denotes fiber Performance (S = OS2, T = OM3, G = OM4).
- **zz** denotes polarity (S: Straight through, F: pair Flipped, R: Reversed, RF: Reversed, pair Flipped).



Pre-terminated solution

APAC

Trunk cables

IMG_9616



ACTMTMMT12LS055R

Schneider FL-MLink (MTP brand) trunk cables providing an effective way to install a large amount of cables quickly. It is especially suitable for the areas that require high density, rapid deployment and high performance such as Data Centre.

These high performance factory terminated and tested assemblies are pre-terminated 12-fibre or 24-fibre MTP connectors and offered in customer specific lengths. Normal fibre count is 12 or 24 (higher core counts up to 144 fibres are available upon special request) and fibre types OS2, OM3, OM4 are available for each installation need.

Product features

- Compliant TIA/EIA-568-C3, ISO/IEC 11801, TIA/EIA-604-5
- 100 % factory terminated and tested
- LSZH trunk cable are doubled jacket, best suitable for backbone installation
- Low loss connector by default
- Options of polarity (straight through, reversed, pair flipped)
- Provide pulling eye at one end of the cable
- Label on the trunk cable for traceability.

Customer benefits

- 10G, 40G, 100G ready a reliable high density, high performance optic interconnections
- Quick and easy connection with MTP mechanism
- Low insertion loss and reflectance for cable
- No cable preparation is necessary
- Reduced on-site disruption and installation time
- Pulling eye design to fit for different installation environment
- Cost effective optic cabling solution
- Superior connector with low insertion loss (MTP connector ≤ 0.35 dB).

Principle of reference numbers

ACTMT MM T 12 LS 005 F						
ACTMT	UU	P	xx	QQ	yyy	z
	Connector type	Performance	Fibre core	Cable jacket	Length	Polarity
ACTMT = Actassi FL-MLink trunk cable	MM = 12MTPm-12MTPm BB = 24MTPm-24MTPm FF = 12MTPf-12MTPf GG = 24MTPf-24MTPf	S = OS2 T = OM3 G = OM4	12 = 12 cores 24 = 24 cores	FP = OFNP LS = LSZH	For example: 005 = 5 meters	S = Straight through R = Reversed F = Pair flipped RF = Reversed pair flipped

Note: MTPm = male MTP connector, MTPf = female MTP connector.

e.g.:

- ACTMTMMT12LS005F = Actassi FL-MLink trunk cable, 12MTPm-12MTPm, OM3, 12-core, LSZH, 5 m, Polarity Pair-flipped
- ACTMTMMS24LS010R = Actassi FL-MLink trunk cable, 2x12MTPm-2x12MTPm, OS2, 24-core, LSZH, 10 m, Polarity Reversed
- ACTMTBBT24FP050S = Actassi FL-MLink trunk cable, 24MTPm-24MTPm, OM3, 24-core, OFNP, 50 m, Polarity Straight Through.



ACTMHMLT20185F

Schneider Electric FL-MLink (MTP Brand) ruggedized harness fan-out assembly is ideal for short internal interconnection. They are used to directly interconnect MTP cassettes, panels or backbone. MTP assemblies with the active equipment, saving costly data centre rack space and easing fibre management.

MTP-MTP and MTP-LC harness / fan-out assemblies are offered in fibre count 12 or 24 fibres (higher fibre counts up to 144 are also available upon special requests) using a compact and suggested micro cable structure. The compact cables optimize pathway use and improve airflow.

Product features

- Compliant to TIA/EIA-568-C.3, ISO/IEC 11801, TIA/EIA-604-5 & IEC 61754-7
- Standard fibre offer: OS2, OM3, OM4
- LSZH, OFNP cable jacket
- 100 % factory terminated and tested
- Low loss connector by default
- "W", "YW", "Y" cables are available supporting 40G/100G application
- Options of polarity (straight through, reversed, pair flipped)
- Label on the harness cable for traceability.

Customer benefits

- Multiple fibres angles and flammability options
- Application specific design 12 up to 144 fibres
- Can be secured to cabinet mounting profile for saving space
- Compact cable
- Reduced interconnection topology improves power budget
- High reliability due to 100 % factory terminated and tested
- Superior performance with low insertion loss (MTP connector ≤ 0.35 dB, LC connector ≤ 0.15 dB).

Principle of reference numbers: MTP-LC Harness

ACTMH	UU	P	xx	yyyy	z
Connector 1	Performance	Cable jacket	Length	Polarity	
ACTMH = Actassi FL-MLink Harness	TL = 12MTPf-LC T2L = 12MTPfx2-LC DL = 24MTPf-LC YL = 12MTPm-LC Y2L = 12MTPmx2-LC CL = 24MTPm-LC	S = OS2 T = OM3 G = OM4	FP = OFNP LS = LSZH	For example: 0055 = 5.5 meters	S = Straight through R = Reversed F = Pair flipped RF = Reversed pair flipped

Note: MTPf = female MTP connector.

e.g.:

- ACTMHTLSFP0100S = Actassi FL-MLink harness cable, 12MTPf-LC, OS2, OFNP, 10 meters, polarity Straight through
- ACTMH2TLGLS0300R = Actassi FL-MLink harness cable, 24MTPf-LC, OM4, LSZH, 30 meters, polarity Reversed.

Principle of reference numbers: MTP-MTP Harness

ACTMH	UU	P	xx	yyyy	z
Connector 1	Performance	Cable jacket	Length	Polarity	
ACTMH = Actassi FL-MLink Harness	TT = 12MTPf-12MTPf TY = 12MTPf-12MTPm T2T2 = 12MTPfx2-12MTPfx2 DT2 = 24MTPf-12MTPfx2 DY2 = 24MTPf-12MTPmx2 CT2 = 24MTPm-12MTPfx2 DD = 24MTPf-24MTPf DC = 24MTPf-24MTPm DN3 = 24MTPf-8MTPfx3 CN3 = 24MTPm-8MTPfx3 T2N3 = 12MTPfx2-8MTPfx3 Y2N3 = 12MTPmx2-8MTPfx3	S = OS2 T = OM3 G = OM4	FP = OFNP LS = LSZH	For example: 0055 = 5.5 meters	S = Straight through R = Reversed F = Pair flipped RF = Reversed pair flipped

Note: MTPm = male MTP connector, MTPf = female MTP connector.

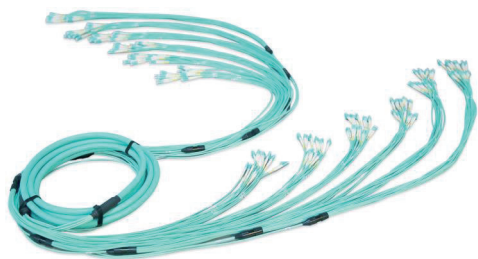
e.g.:

- ACTMHTTSLS0050S = Actassi FL-MLink harness cable, 12MTPf-12MTPf, OS2, LSZH, 5 meters, polarity Straight through
- ACTMHTTMTLS0100R = Actassi FL-MLink harness cable, 12MTPf-12MTPm, OM3, LSZH, 10 meters, polarity Reversed.

Pre-terminated solution

APAC

Harness and fan-out cables (cont.)



IMG_0187-40.eps

Schneider Electric FL-MLink (MTP Brand) ruggedized harness fan-out assembly is ideal for short internal interconnection. They are used to directly interconnect MTP cassettes, panels or backbone. MTP assemblies with the active equipment, saving costly data centre rack space and easing fibre management.

LC-LC harness / fan-out assemblies are offered in fibre count 12 to 144 fibres using a compact and suggested micro cable structure. The compact cables optimize pathway use and improve airflow.

Fibre count higher than 24 fibres are with staggered design (50mm separator for each 12F) for easy management, identification and different distance connections.

Product features

- Compliant to TIA/EIA-568-C.3, ISO/IEC 11801, TIA/EIA-604-5 & IEC 61754-7
- Standard fibre offer: OS2, OM3, OM4
- LSZH cable jacket by default
- 100 % factory terminated and tested
- Label on the harness cable for traceability.

Customer benefits

- Multiple fibres angles and flammability options
- Application specific design 12 up to 144 fibres
- Staggered design for easy cable management
- Can be secured to cabinet mounting profile for saving space
- Compact cable
- Reduced interconnection topology improves power budget
- High reliability due to 100 % factory terminated and tested.

Principle of reference numbers: LC-LC Harness

ACTMH	UU	P	xx	QQ	yyyy	O
	Connector type	Performance	Fibre core	Cable jacket	Length	Optional
ACTMH = Actassi FL-MLink Harness	LL = LC-LC	S = OS2 T = OM3 G = OM4	12 = 12 cores 24 = 24 cores 36 = 36 cores 48 = 48 cores 72 = 72 cores 96 = 96 cores 144 = 144 cores	LS = LSZH	For example: 0055 = 5.5 meters	Normal (n/a)

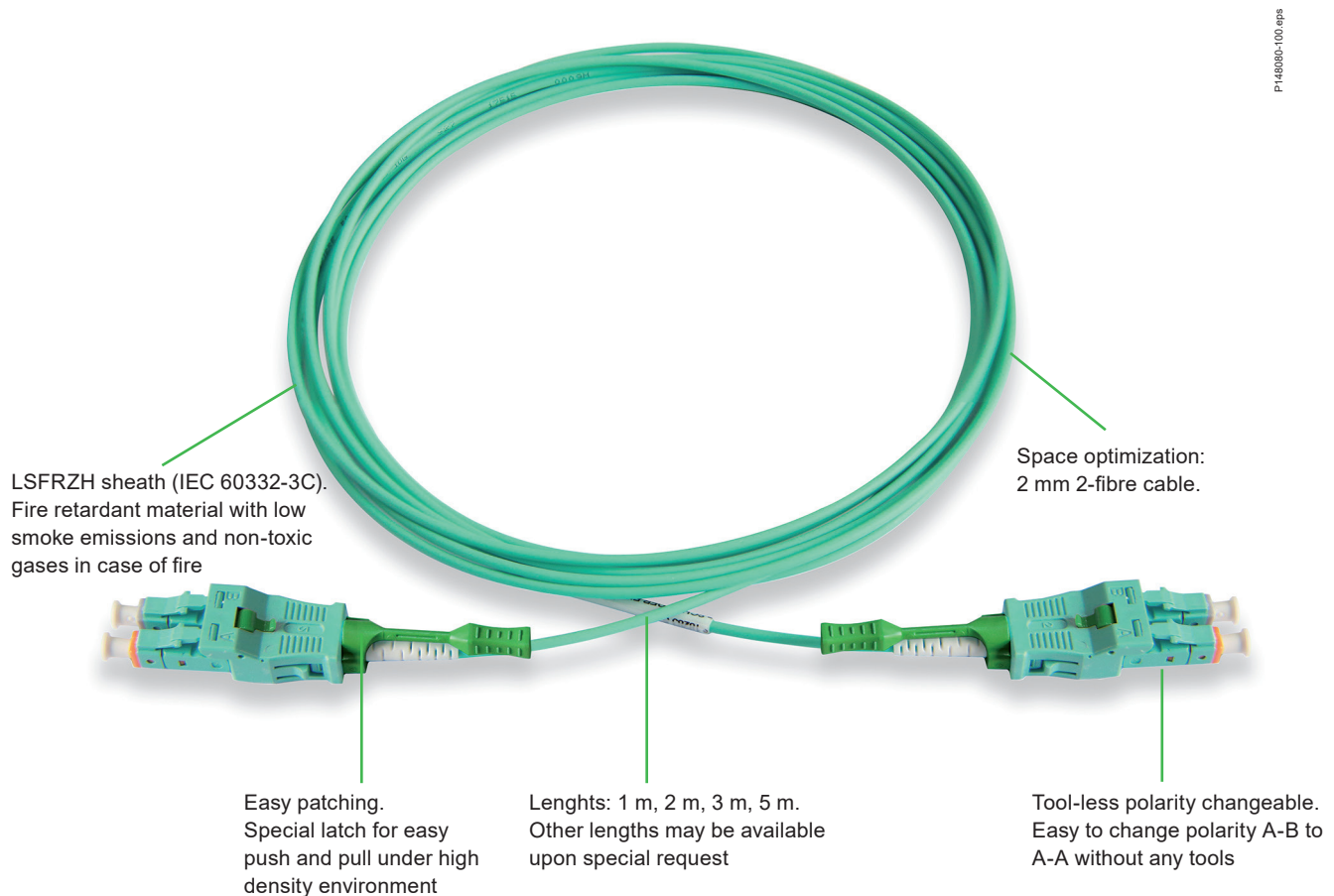
e.g.:

- ACTMHLLS12LS0050 = Actassi FL-MLink harness cable, LC-LC, 12 cores, OS2, LSZH, 5 meters
- ACTMHLLT144LS0100 = Actassi FL-MLink harness cable, LC-LC, 144 cores, OM3, LSZH, 10 meters.

Actassi fibre optic HD LC patch cords

Actassi fibre optic HD LC patch cords ensure a reliable transmission in data networks. It is terminated with uniboot LC connectors at both ends, from multimode (OM3, OM4) to single-mode OS2 performances, come with a special latch that can push & pull out easily in high density environment. The patchcord is tool-less polarity changeable from A-B to A-A.

All fibre optic patch cords are compliant with IEC 11801 Ed3.0 and provide safe plug & play with a high quality thanks to the performances, the LSFRZH sheath (LSZH with fire retardant properties) and the warranties.



Patch cords

HD LC fibre patch cords

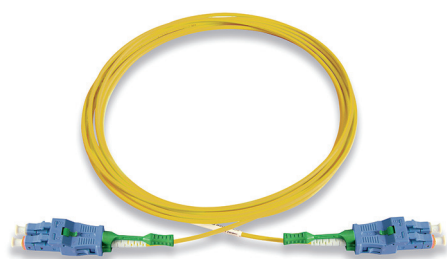
The HD LC fibre patch cords are 2 mm mini cordage with uniboot LC connectors terminated on each end. These patch cords are available in duplex, multi-mode and single-mode configurations.

Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C
- Insertion loss: ≤ 0.2 dB.

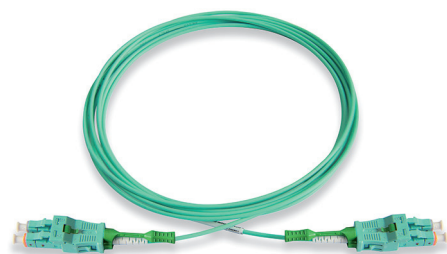
Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- Easy patching push & pull in high density environment
- Bending insensitive OM3 & OM4 fibres
- Tool-less polarity changeable
- All cords are factory terminated and tested.



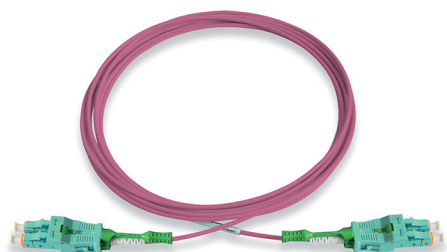
HD-LC Duplex OS2

P148078-35.eps



HD-LC Duplex OM3

P148080-35.eps



HD-LC Duplex OM4

P148079-35.eps

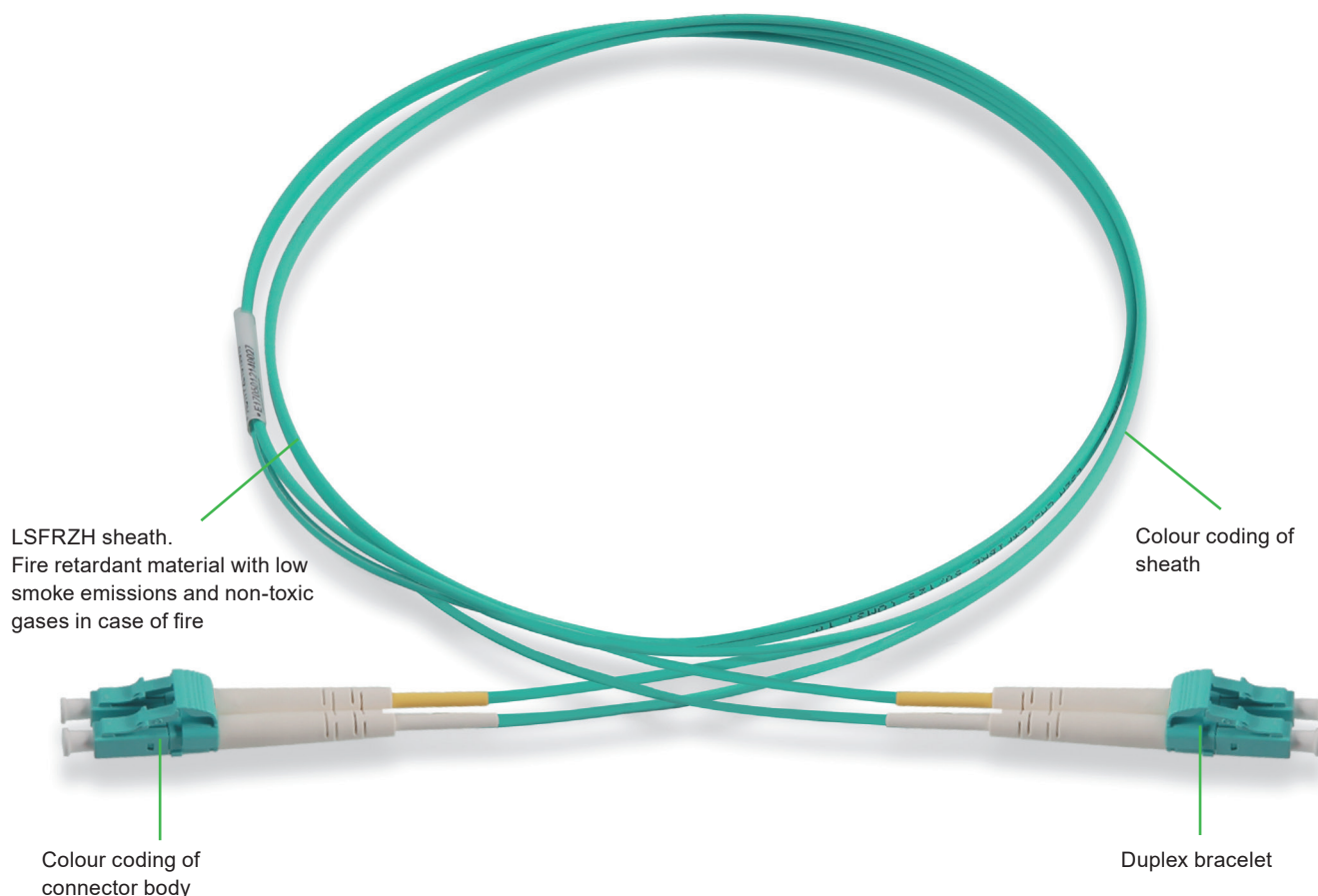
Description	Ref. No
Duplex OS2, single-mode	
HD LC duplex, single-mode, patch cord, 1 m	ACTFP2LH1S19S10
HD LC duplex, single-mode, patch cord, 2 m	ACTFP2LH1S19S20
HD LC duplex, single-mode, patch cord, 3 m	ACTFP2LH1S19S30
HD LC duplex, single-mode, patch cord, 5 m	ACTFP2LH1S19S50
Duplex OM3, multi-mode	
HD LC duplex, multi-mode, patch cord, 1 m	ACTFP2LH1M35M10
HD LC duplex, multi-mode, patch cord, 2 m	ACTFP2LH1M35M20
HD LC duplex, multi-mode, patch cord, 3 m	ACTFP2LH1M35M30
HD LC duplex, multi-mode, patch cord, 5 m	ACTFP2LH1M35M50
Duplex OM4, multi-mode	
HD-LC duplex, multi-mode, patch cord, 1 m	ACTFP2LH1M45M10
HD-LC duplex, multi-mode, patch cord, 2 m	ACTFP2LH1M45M20
HD-LC duplex, multi-mode, patch cord, 3 m	ACTFP2LH1M45M30
HD-LC duplex, multi-mode, patch cord, 5 m	ACTFP2LH1M45M50

Actassi fibre optic patch cords

Actassi fibre optic patch cords ensure a reliable transmission in data networks. They are available with SC and LC connectors (ST, FC connectors are also available upon special requests), from multimode (OM2, OM3, OM4) to single-mode OS2 performances, in different lengths to cover all installation needs.

All fibre optic patch cords are compliant with ISO/IEC 11801 Ed3.0 and provide safe plug & play with a high quality thanks to the performances, the LSFRZH sheath (LSZH with fire retardant properties) and the warranties.

LC_LC_2_anqua.eps



Patch cords

LC fibre patch cords

The simplex and duplex LC fibre patch cords are 1.6 mm mini cordage with push-pull LC connectors terminated on each end. These patch cords are available in duplex, multi-mode and single-mode configurations.

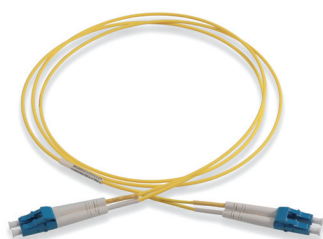
Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C
- Insertion loss: ≤ 0.2 dB.

Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- Bending insensitive OM3 & OM4 fibres
- All cords are factory terminated and tested.

Description	Ref. No
Duplex OS2, single-mode	
LC-LC duplex, single-mode, patch cord, 1 m	ACTFP2L1S19S10
LC-LC duplex, single-mode, patch cord, 2 m	ACTFP2L1S19S20
LC-LC duplex, single-mode, patch cord, 3 m	ACTFP2L1S19S30
LC-LC duplex, single-mode, patch cord, 5 m	ACTFP2L1S19S50
LC-LC duplex, single-mode, patch cord, 10 m	ACTFP2L1S19S100
Duplex OM2, multi-mode	
LC-LC 50 μ m, duplex, multi-mode, patch cord, 1 m	ACTFP2L1M25M10
LC-LC 50 μ m, duplex, multi-mode, patch cord, 2 m	ACTFP2L1M25M20
LC-LC 50 μ m, duplex, multi-mode, patch cord, 3 m	ACTFP2L1M25M30
LC-LC 50 μ m, duplex, multi-mode, patch cord, 5 m	ACTFP2L1M25M50
Duplex OM3, multi-mode	
LC-LC OM3 50 μ m, duplex, multi-mode, patch cord, 1 m	ACTFP2L1M35M10
LC-LC OM3 50 μ m, duplex, multi-mode, patch cord, 2 m	ACTFP2L1M35M20
LC-LC OM3 50 μ m, duplex, multi-mode, patch cord, 3 m	ACTFP2L1M35M30
LC-LC OM3 50 μ m, duplex, multi-mode, patch cord, 5 m	ACTFP2L1M35M50
LC-LC OM3 50 μ m, duplex, multi-mode, patch cord, 10 m	ACTFP2L1M35M100
Duplex OM4, multi-mode	
LC-LC OM4 50 μ m, duplex, multi-mode, patch cord, 1 m	ACTFP2L1M45M10
LC-LC OM4 50 μ m, duplex, multi-mode, patch cord, 2 m	ACTFP2L1M45M20
LC-LC OM4 50 μ m, duplex, multi-mode, patch cord, 3 m	ACTFP2L1M45M30
LC-LC OM4 50 μ m, duplex, multi-mode, patch cord, 5 m	ACTFP2L1M45M50
LC-LC OM4 50 μ m, duplex, multi-mode, patch cord, 10 m	ACTFP2L1M45M100



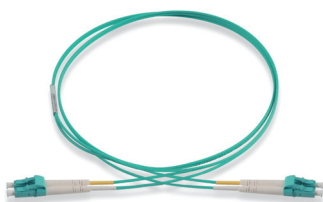
LC_LC_SM_duplex_patch_cord.eps

LC-LC Duplex OS2



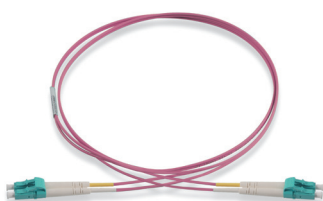
LC_LC_OM1_OM2_duplex_p_c.eps

LC-LC Duplex OM2



LC_LC_2_aqua.eps

LC-LC Duplex OM3



LC_LC_2_aqua_M.eps

LC-LC Duplex OM4

Patch cords

SC fibre patch cords

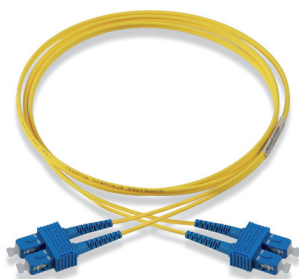
The simplex and duplex SC fibre patch cords are 1.6 mm mini cordage with push-pull SC connectors terminated on each end. These patch cords are available in duplex, multi-mode and single-mode configurations.

Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in simplex, duplex, single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

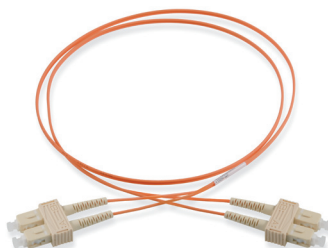
Customer benefits

- Supports LAN, WAN and active device termination
- All cords are factory terminated and tested
- Provides a reliable and durable connection solution.



SC_SC_SM_duplex_patch_cord.eps

SC-SC Duplex OS2



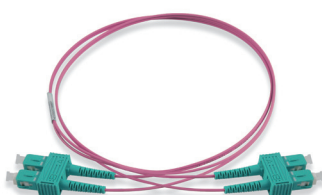
SC_SC_OM1_OM2_duplex_p_c.eps

SC-SC Duplex OM2



SC_SC_OM3_OM4_duplex_p_c.eps

SC-SC Duplex OM3



SC_SC_OM3_OM4_M.eps

SC-SC Duplex OM4

Description	Ref. No
Duplex OS2, single-mode	
SC-SC duplex, single-mode, patch cord 1 m	ACTFP2C1S19S10
SC-SC duplex, single-mode, patch cord 2 m	ACTFP2C1S19S20
SC-SC duplex, single-mode, patch cord 3 m	ACTFP2C1S19S30
SC-SC duplex, single-mode, patch cord 5 m	ACTFP2C1S19S50
SC-SC duplex, single-mode, patch cord 10 m	ACTFP2C1S19S100
Duplex OM2, multi-mode	
SC-SC 50 µm duplex, multi-mode, patch cord 1 m	ACTFP2C1M25M10
SC-SC 50 µm duplex, multi-mode, patch cord 2 m	ACTFP2C1M25M20
SC-SC 50 µm duplex, multi-mode, patch cord 3 m	ACTFP2C1M25M30
SC-SC 50 µm duplex, multi-mode, patch cord 5 m	ACTFP2C1M25M50
Duplex OM3, multi-mode	
SC-SC OM3 50 µm duplex, multi-mode, patch cord 1 m	ACTFP2C1M35M10
SC-SC OM3 50 µm duplex, multi-mode, patch cord 2 m	ACTFP2C1M35M20
SC-SC OM3 50 µm duplex, multi-mode, patch cord 3 m	ACTFP2C1M35M30
SC-SC OM3 50 µm duplex, multi-mode, patch cord 5 m	ACTFP2C1M35M50
SC-SC OM3 50 µm duplex, multi-mode, patch cord 10 m	ACTFP2C1M35M100
Duplex OM4, multi-mode	
SC-SC OM4 50 µm duplex, multi-mode, patch cord 1 m	ACTFP2C1M45M10
SC-SC OM4 50 µm duplex, multi-mode, patch cord 2 m	ACTFP2C1M45M20
SC-SC OM4 50 µm duplex, multi-mode, patch cord 3 m	ACTFP2C1M45M30
SC-SC OM4 50 µm duplex, multi-mode, patch cord 5 m	ACTFP2C1M45M50
SC-SC OM4 50 µm duplex, multi-mode, patch cord 10 m	ACTFP2C1M45M100

Patch cords

SC-LC fibre patch cords

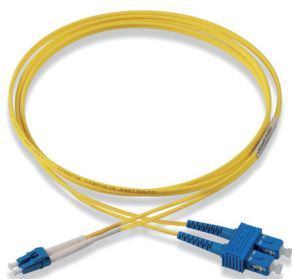
The duplex SC-LC fibre patch cords are 1.6 mm mini cordage with push-pull SC-LC connectors terminated on each end. These patch cords are available in duplex multi-mode and single-mode configurations.

Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in Duplex, multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

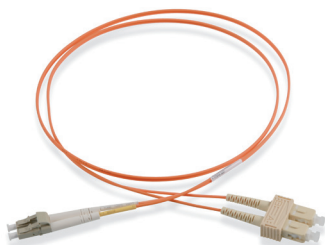
Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- All cords are factory terminated and tested.



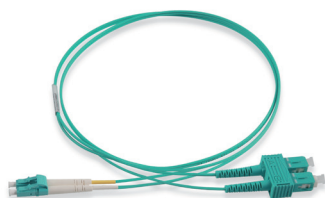
SC-LC Duplex OS2

SC-LC_SM_duplex_patch_cord.eps



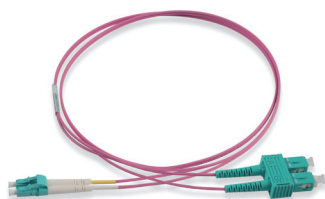
SC-LC Duplex OM2

SC-LC_OM1_OM2_duplex_p_c.eps



SC-LC Duplex OM3

SC-LC OM3 duplex patch cord.eps



SC-LC Duplex OM4

SC-LC_OM3_OM4_M.eps

Description	Ref. No
Duplex OS2, single-mode	
SC-LC duplex, single-mode, patch cord, 1 m	ACTFP2CL1S19S10
SC-LC duplex, single-mode, patch cord, 2 m	ACTFP2CL1S19S20
SC-LC duplex, single-mode, patch cord, 3 m	ACTFP2CL1S19S30
SC-LC duplex, single-mode, patch cord, 5 m	ACTFP2CL1S19S50
SC-LC duplex, single-mode, patch cord, 10 m	ACTFP2CL1S19S100
Duplex OM2, multi-mode	
SC-LC 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2CL1M25M10
SC-LC 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2CL1M25M20
SC-LC 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2CL1M25M30
SC-LC 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2CL1M25M50
Duplex OM3, multi-mode	
SC-LC OM3 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2CL1M35M10
SC-LC OM3 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2CL1M35M20
SC-LC OM3 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2CL1M35M30
SC-LC OM3 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2CL1M35M50
SC-LC OM3 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2CL1M35M100
Duplex OM4, multi-mode	
SC-LC OM4 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2CL1M45M10
SC-LC OM4 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2CL1M45M20
SC-LC OM4 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2CL1M45M30
SC-LC OM4 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2CL1M45M50
SC-LC OM4 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2CL1M45M100

Pigtails

LC fibre pigtails

The simplex LC fibre pigtails are 0.9 mm tight buffrt fibre with push-pull LC connectors terminated on each end. These pigtails are available in simplex multi-mode and single-mode configurations.

Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in simplex, single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

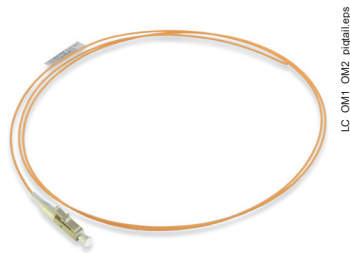
Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- All cords are factory terminated and tested.



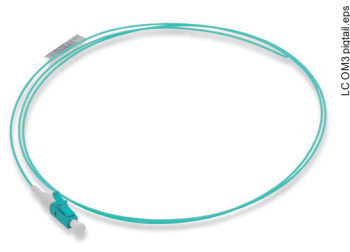
LC OS2 pigtail

LC_SM_pigtail.eps



LC OM2 pigtail

LC_OM1_OM2_pigtail.eps



LC OM3 pigtail

LC OM3_pigtail.eps



LC OM4 pigtail

LC_OM3_pigtail_M.eps

Description	Ref. No
OS2, single-mode	
LC, single-mode, pigtail, 1.0 m	ACTFT1L1S19S10
LC, single-mode, pigtail, 2.0 m	ACTFT1L1S19S20
OM2, multi-mode	
LC, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1L1M25M10
LC, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1L1M25M20
OM3, multi-mode	
LC, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1L1M35M10
LC, 50 µm, multi-mode, pigtail, 1.5 m	ACTFT1L1M35M15
LC, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1L1M35M20
OM4, multi-mode	
LC, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1L1M45M10
LC, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1L1M45M20

Pigtails

SC fibre pigtails

The Simplex SC fibre pigtails are 0.9 mm tight buffer fibre with push-pull SC connectors terminated on each end. These pigtails are available in simplex single-mode and multi-mode configurations.

Product features

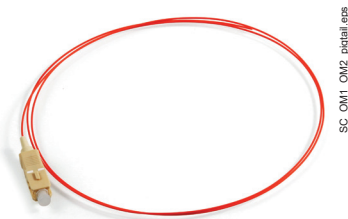
- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in simplex, single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- All cords are factory terminated and tested.



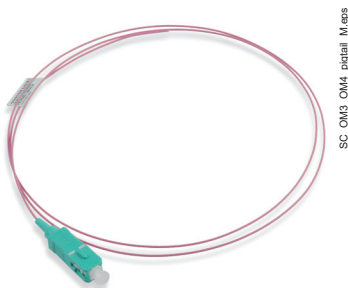
SC OS2 pigtail



SC OM2 pigtail



SC OM3 pigtail



SC OM4 pigtail

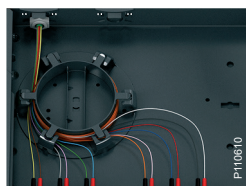
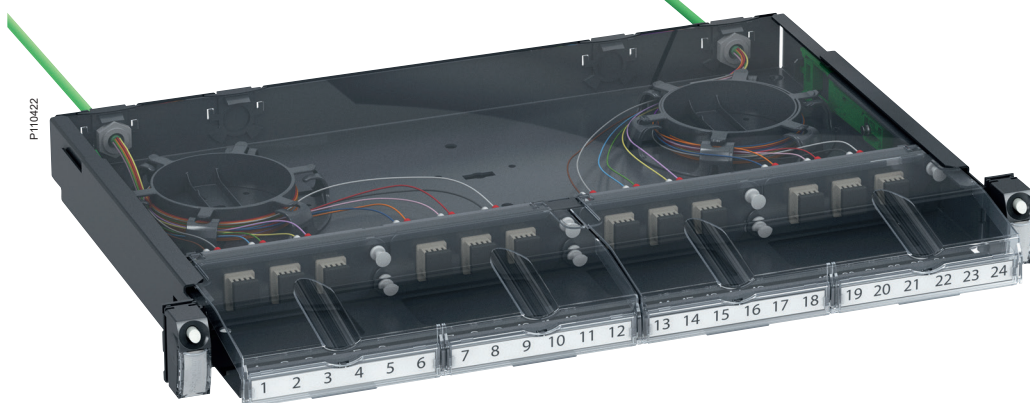
Description	Ref. No
OS2, single-mode	
SC, single-mode, pigtail, 1.0 m	ACTFT1C1S19S10
SC, single-mode, pigtail, 1.5 m	ACTFT1C1S19S15
SC, single-mode, pigtail, 2.0 m	ACTFT1C1S19S20
OM2, multi-mode	
SC, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1C1M25M10
SC, 50 µm, multi-mode, pigtail, 1.5 m	ACTFT1C1M25M15
SC, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1C1M25M20
OM3, multi-mode	
SC, OM3, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1C1M35M10
SC, OM3, 50 µm, multi-mode, pigtail, 1.5 m	ACTFT1C1M35M15
OM4, multi-mode	
SC, OM4, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1C1M45M10
SC, OM4, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1C1M45M20

Actassi 19-C fibre panels

A simple all-in-one concept, pre-equipped with for example Quick Fix function, coiling wheels and cable glands. It has a capacity of 24 fibres and has transparent lids for protection and a clear visibility of the inside. Can hold up to 4 cover plates, and since it is delivered with 3 blank plates, the choice is open for the fourth to be used according to your needs. The cover plates are available in empty and pre-equipped versions with adapters.

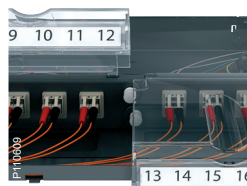


To match your fibre optic panel we have developed a range of pre-equipped cover-plates. It's a time-saving, safer and smarter way to work with your installations.



Coiling wheels

The panel contains wheels to keep the fibres in place and to avoid tension on the connectors. This will also give a correct bending radius and more space for excess lengths of the fibres.



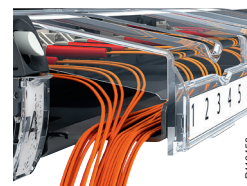
Excellent protection

The transparent covers give both protection and overview. The front covers can be opened for quick access and the top cover is easily removed.



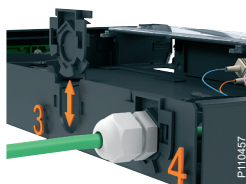
Clear marking

Since the marking is very clear, identifying the cable you are looking for will never be a problem.



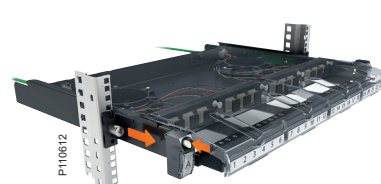
Integrated guiding panel

A patchcord guiding panel, with smoothly shaped edges to protect the cords, is integrated in the panel. So there is no need to add a separate guiding panel that would take another 1U space.



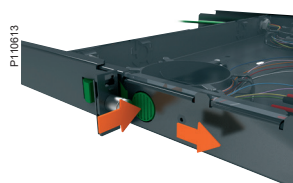
Rear quick fixation

A quick-fixation system is provided for the cables at the rear. Use the provided 16 mm glands for cables. If a 21 mm gland (not provided) is needed, just remove the rear plastic support and fix the gland directly in the cable entry. Quick and easy!

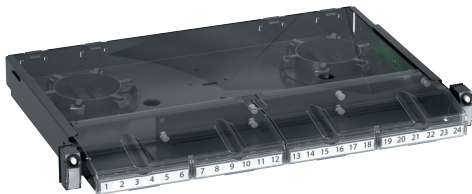


Sliding function

The panel can be slid or completely removed for a more convenient working position.



P111266



Evolution universal sliding fibre optic panel 1U

- Universal sliding 19" fibre optic panel with 4 positions, equipped with 3 blank plates. The 1st position is empty and is to be fitted with suitable coverplate
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Removable transparent cover mounted
- Fibre patchcord guiding structure at the front, protected by cover equipped with label holders
- Maximum density of 48 fibres for 1U (LC rectangular version).

Evolution panel for direct terminations

- Equipped with 2 coiling wheels and 2 PG9 (Ø 7 mm max.) cable glands.

Description	Ref. No
Evolution fibre optic panel 1U with 3 blank plates	VDIG150991V2

P120602

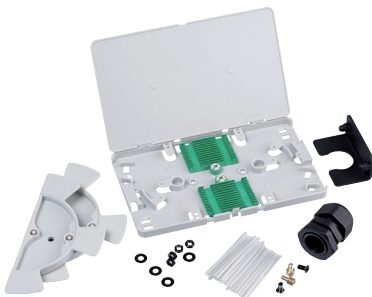


Basic universal sliding fibre optic panel 1U Basic

- Universal sliding 19" fibre optic panel with 4 positions
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Removable transparent cover mounted
- Fibre patchcord guiding structure at the front
- Equipped with 1 coiling wheel and 2 PG9 (Ø 7 mm max.) cable glands.

Description	Ref. No
Basic fibre optic panel 1U	VDIG050991V2

P146834



Splice tray

- Delivered with a cover and accessories
- Maximum 2 x 1U fusion splice tray kit can be stacked inside 19-C fibre panel
- Ready to install: fusion splice holders & heat shrink tube included.

Description	Ref. No
1U Fusion splice tray kit (max. 24-fibres)	ACTFMSPTKIT

Actassi 19-C Basic fibre panels

This is a cost-effective basic fibre optic panel solution to cater indoor field termination applications. It provides a good inter-connection or cross-connection for fibre backbone installation and LAN network of medium/small building.

The enclosure is mountable in 1U 19" equipment racks or cabinets.

This 1U height panel has two unloaded configurations, in which it accommodates with modular LC duplex adapters (max. 24 pcs or 48-fibre) or modular SC duplex adapters (max. 12 pcs or 24-fibre).

The panel consists of two major components: removal top cover lip and sliding drawer. In which, it is to provide protection against dust and humidity. Built-in PG9 cable gland and rubber-seal cable entries are aimed to cater for flexible cable management.





LC Basic fibre panel

P148750-20 eps



SC Basic fibre panel

P148753-20 eps

Basic fibre panel 1U

Actassi 1U 19" fibre optic empty panel with LC/SC duplex adapter ports. It provides all basic but specific features to facilitate easy installation and maintenance. A cost-effective fibre optic panel selection for small/medium building installations.

Product features

- 1U metallic powder coated panel in dark grey (RAL 7016)
- Recess design plus removal top cover lip and simple sliding drawer
- Equipped with PG9 (0.7 mm max.) cable gland plus cable entries and fixtures
- Pre-installed plastic covers for protection (partially)
- Compatible with existing fusion splice tray kits (ACTFMSPTKIT)
- Panel dimension and construction comply with EIA/ECA-310-D, IEC 60297.

Customer benefits

- Scalable panel capacity and rack space optimization up to 48-fiber (LC rectangular version)
- Simple sliding function, removable drawer for ease installation/maintenance.
- Fully compatible with optional fusion splice tray kit (24-fiber), modular single-mode or multi-mode LC/SC adaptors
- Quick fixation of incoming fibre cable(s) with provisional PG9 cable gland and fixtures
- Smooth management of bend radius of patch cords by recess panel design
- Fully compatible with 19" open rack & cabinet.

Technical specifications

Panel material	Powder coated mild steel (thickness 1.2 mm)
Panel color	Dark grey (RAL 7016)
Capacity	1U: LC Duplex Adaptors x 24 (max. 48-fiber)
	1U: SC Duplex Adaptors x 12 (max. 24-fiber)
Physical dimensions	1U: L480 x D260 x H43 mm (with end flanges)
Standards	EIA/ECA-310-D
	IEC 60297



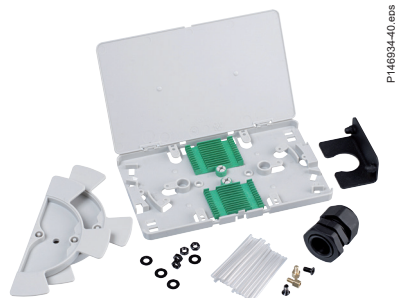
LC adaptor

TFA2LMMZP psd



SC adaptor

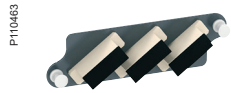
TFA2CSMZP psd



Fusion splice tray kit

P148934-40 eps

Description	Ref. No
Basic fibre panel, 1U 48F LC duplex, unloaded	ACTFM1UBLC48U
Basic fibre panel, 1U 24F SC duplex, unloaded	ACTFM1UBSC24U
Optional accessories	
LC adaptor, duplex, single-mode, zirconia ceramic, plastic	ACTFA2LSMZP
LC adaptor, duplex, multi-mode, zirconia ceramic, plastic	ACTFA2LMMZP
SC adaptor, duplex, single-mode, zirconia ceramic, plastic	ACTFA2CSMZP
SC adaptor, duplex, single-mode, zirconia ceramic, plastic	ACTFA2CMMZP
1U fusion splice tray kit (max. 24-fiber)	ACTFMSPTKIT



Plates

- Blank plates and coverplates to be fixed on fibre optic Quick Fix panel ref VDIG150991, VDIG150991001 and VDIG050991
- Quick fixation by push-pull rivets.

Coverplates with adapters

Description	Ref. No
Coverplate provided with 3 SC duplex multimode adapters	VDIM1530311
Coverplate provided with 6 ST multimode adapters	VDIM1510611
Coverplate provided with 3 LC duplex multimode adapters	VDIM1550311

Coverplates without adapters

Description	Ref. No
Coverplate for 3 SC duplex adapters	VDIM153031
Coverplate for 6 ST adapters	VDIM151061
Coverplate for 3 LC duplex adapters (compatible with LC duplex Adapters / square VDIB6051001, VDIB6051002, VDIB6052001 and VDIB6052002).	VDIM155031
Coverplate for 6 LC duplex adapters (compatible with LC duplex Adapters / rectangular VDIB6051003, VDIB6051004, VDIB6052003 and VDIB6052004).	VDIM155061

Blank plate

Description	Ref. No
Blank plate for fibre optic panel	VDIM150061

Internal fixing plate for 1 adapter MPO to be fixed at the rear of the panel

Description	Ref. No
Internal fixing plate for 1 adapter MPO	VDIM157021

Actassi 19-HD fibre panels



3

Answering to your high density needs

Actassi 19-HD fibre panel is a superior and compact fibre termination solution for High productivity building and small data centre applications, covering the following requirements:

High density field termination solution

- Accepts 3 adaptor plates, up to 72 ports in 1U
- Accepts 12 adaptor plates, up to 288 ports in 4U
- Space optimization, 50 % more than standard fibre panel

Safety and Protection

- Transparent front cover (with magnetic suction mechanism) provides instant visibility of the connection status also provides perfect protection against dust and humidity
- Radiation safety label is available in the front cover

Scalable and flexible

- Pay as you grow
- Optional snap-in adaptor plates and blank plate
- Fusion splicing is possible with optional splice tray kit sets
- Built-in (adjustable in 1U panel) wiring rings, rubber-seal cable entries are aimed to cater easy cable management
- Single-mode and Multi-mode adaptors are available with color differentiation

Energy efficient thanks to "Green environment"

- Fibre use
- Reduce up to 90 % of waste on site



The Actassi 19-HD fibre panel is a superior and compact fibre termination solution. It is mountable in 19" equipment racks or cabinets. The 1U panel accepts maximum 3 adaptor plates with maximum 72 fibres count while 4U panel can accept maximum 12 adaptor plates with maximum capacity of 288 fibres. Built-in (adjustable in 1U panel) wiring rings, rubber-seal cable entries are aimed to cater easy cable management. Transparent front cover (with magnetic suction mechanism) provides instant visibility of the connection status, also provides perfect protection against dust and humidity. Design with multiple applications in mind, the Actassi 19-HD fibre panel can accommodate different types of modular adaptor panel plates and splice trays (optional) to give outstanding performance and functionality.

1U Panel: 400 x 482 x 44 mm

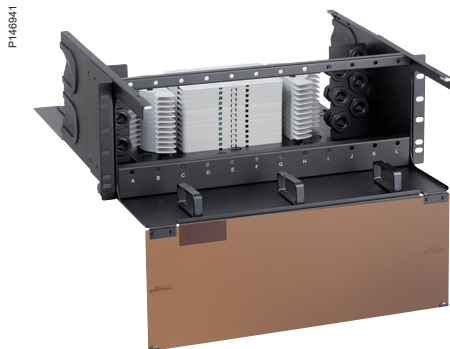
- Compatible with 19" open rack / cabinets (depth > 500 mm)
- 1U panel drawer with sliding rails and stopper lock mechanism
- Optional snap-in adaptor plates / blank plates (max. 3)
- Built-in adjustable cable management rings and cable entries
- Maximum density of 72 fibres (LC version).



Description	Ref. No
HD fibre panel, 1U, fits up to 3 adaptor plates, Unloaded	ACTMP1U

4U panel: 400 x 482 x 175 mm

- Compatible with 19" open rack / cabinets (depth > 500 mm)
- With removal top cover lip
- Optional snap-in adaptor plates / blank plates (max. 12)
- Built-in cable management rings and cable entries
- Maximum density of 288 fibres (LC version).



Description	Ref. No
HD fibre panel, 4U, fits up to 12 adaptor plates, Unloaded	ACTMP4U



P147232



P147113



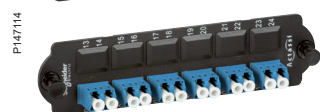
P147116



P146933



P147233



P147114



P147115



P146932



P146988



P146934



P146941

Plates

- Blank plates and adapter plates to be fixed on Actassi 19-HD fibre panel ref ACTMP1U and ACTMP4U
- Quick fixation by push-pull rivets
- Zirconia ceramic material ferrules for higher performance.

Coverplates with adapters

Description	Ref. No
Adapter plate with 3 SC duplex beige adapters for multimode OM2/OM3/OM4 (support also singlemode)	ACTFM1UF2SC3PMM
Adapter plate with 3 SC duplex blue adapters for singlemode OS1/OS2 (support also multimode OM2/OM3/OM4)	ACTFM1UF2SC3PSM
Adapter plate with 6 SC duplex beige adapters for multimode OM2/OM3/OM4 (support also singlemode)	ACTFM1UF2SC6PMM
Adapter plate with 6 SC duplex blue adapters for singlemode OS1/OS2 (support also multimode OM2/OM3/OM4)	ACTFM1UF2SC6PSM
Adapter plate with 6 LC duplex beige adapters for multimode OM2/OM3/OM4 (support also singlemode)	ACTFM1UF2LC6PMM
Adapter plate with 6 LC duplex blue adapters for singlemode OS1/OS2 (support also multimode OM2/OM3/OM4)	ACTFM1UF2LC6PSM
Adapter plate with 12 LC duplex beige adapters for multimode OM2/OM3/OM4 (support also singlemode)	ACTFM1UF2LC12PMM
Adapter plate with 12 LC duplex blue adapters for singlemode OS1/OS2 (support also multimode OM2/OM3/OM4)	ACTFM1UF2LC12PSM

Blank plate

Description	Ref. No
Blank adapter plate for ACTMP1U & ACTMP4U	ACTMPBP

Splice tray

- Delivered with a cover and accessories
- Maximum 3 x 1U fusion splice tray kit can be stacked inside 1U HD fibre panel
- Only 1x 4U fusion splice tray kit is needed for 4U HD fibre panel (total 12 splice trays)
- Ready to install: fusion splice holders & heat shrink tube included.

Description	Ref. No
1U Fusion splice tray kit (max. 24-fibres)	ACTFMSPTKIT
4U Fusion splice tray kit (Full Set for up to 288 fibres)	ACTFMSPT4USET

Adapters

- Fibre optic adapters suitable to connect and align optic connectors (for both applications: optic patchpanels in technical rooms and faceplates at workstation)
- both multimode and singlemode versions
- identification of multimode adapters with beige color
- identification of singlemode adapters with blue color
- available in SC, SC APC, ST, LC and MPO formats
- zirconia ceramic material ferrules
- snap-in latch.

Multimode (MM) adapters

Type	Qty/pack	Ref. No
SC Duplex Adapter MM	1	VDIB6031001
	100	VDIB6031002
SC Simplex Adapter MM	1	VDIB6021001
ST Simplex Adapter MM	1	VDIB6011001
	100	VDIB6011002
LC Duplex Adapter sq MM	1	VDIB6051001
	100	VDIB6051002
LC Duplex Adapter rect MM	1	VDIB6051003
	100	VDIB6051004

Singlemode (SM) adapters

Type	Qty/pack	Ref. No
SC Duplex Adapter SM	1	VDIB6032001
	100	VDIB6032002
SC APC Simplex Adapter SM	1	VDIB6072001
SC APC Duplex Adapter SM	1	VDIB6082001
LC Duplex Adapter sq SM	1	VDIB6052001
	100	VDIB6052002
LC Duplex Adapter rect SM	1	VDIB6052003
	100	VDIB6052004

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P134792



P133694



P133699



P133698



P133695



P133701



P133693



P133700



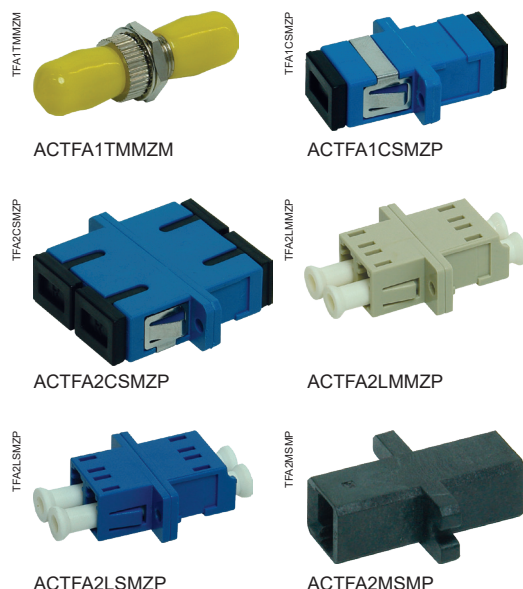
The Actassi fibre optic connectors and adaptors are superior products delivering the best networking performance when used in conjunction with other Actassi fibre optic products.

Specifications

- Fibre optic adapters suitable to connect and align optic connectors (for both applications: optic patchpanels in telecom/equipment rooms and faceplates at workstation)
- both multimode and singlemode versions
- identification of multimode adapters with beige color
- identification of singlemode adapters with blue color
- available in SC, ST, LC and MTRJ formats
- zirconia ceramic material ferrules
- snap-in latch.

Performances

- SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed.2
- LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed.2
- ST connectors compliant with TIA/EIA 604-2 and IEC 61754-2
- MTRJ connectors compliant with TIA/EIA 604-12 and IEC 61754-18.



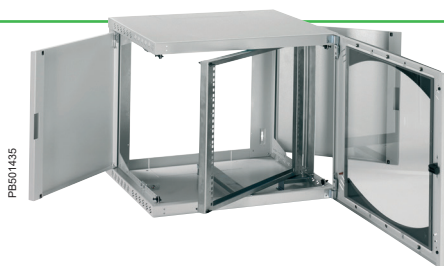
Description	Ref. No
ST adaptors	
ST adaptor, simplex, multi-mode, zirconia ceramic, metal	ACTFA1TMMZM
SC adaptors	
SC adaptor, simplex, single-mode, zirconia ceramic, plastic	ACTFA1CSMZP
SC adaptor, simplex, multi-mode, zirconia ceramic, plastic	ACTFA1CMMZP
SC adaptor, duplex, single-mode, zirconia ceramic, plastic	ACTFA2CSMZP
SC adaptor, duplex, multi-mode, zirconia ceramic, plastic	ACTFA2CMMZP
LC adaptors	
LC adaptor, duplex, single-mode, zirconia ceramic, plastic	ACTFA2LSMZP
LC adaptor, duplex, multi-mode, zirconia ceramic, plastic	ACTFA2LMMZP
SC-ST adaptors	
SC-ST adaptor, duplex, multi-mode, zirconia ceramic, plastic	ACTFA2CTMMZP



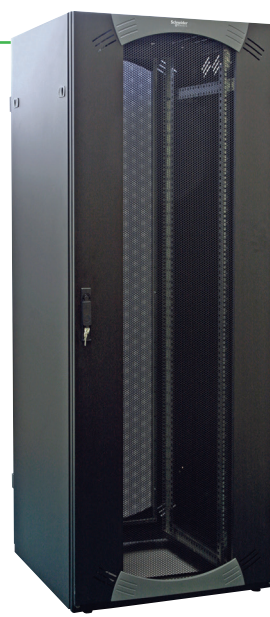
Enclosures for indoor needs

Wall-mounting

Floor-standing



PB501427



Actassi Enclosures

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Actassi Enclosures

With the Actassi system you can create a seamless end-to-end network connectivity solution for all needs. There are different conditions and demands on the installations in buildings, data centres and small offices. That is why Actassi includes all possible sizes of wall-mounting and floor-standing enclosures, from 6 to 47 units in different widths, depths, colours and compositions. You can always find an Actassi enclosure that gives a perfect result.



Do you want to have other enclosures than standard? No problem. With Actassi enclosures it's possible to customize colour, accessories, specific lining etc according to your personal needs.



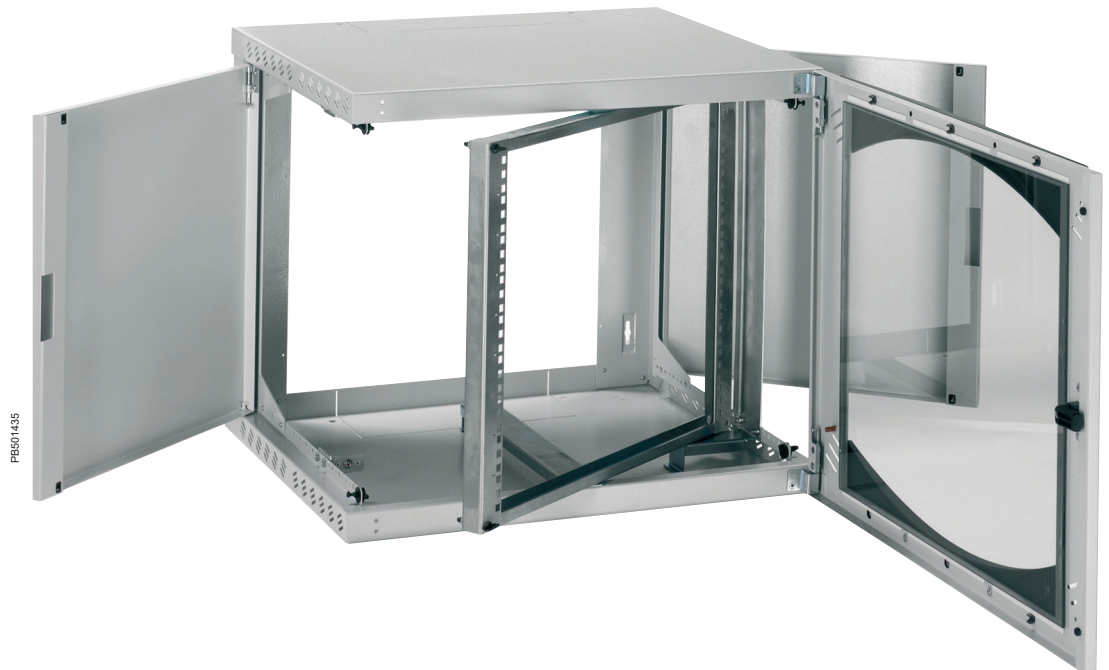
The Digital Rule helps you select products

Hard to select the Actassi enclosures, RJ45 connectors, patch panels and cables? Visit schneider-electric.com and try our Digital Rule. It's an intelligent online e-catalogue which will facilitate your choices and ensure an error-free specification.

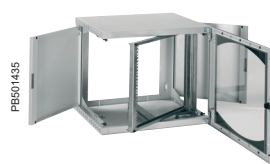


Actassi wall-mounting enclosures

The Actassi wall-mounting OPB OpenBox enclosures allow you to easily integrate patch panels, cables, switches and digital recorders. All the lining can be removed without tools, and with the swing-rack version of OPB, with a quick-locking system, you'll get access to the connections from the back to handle the maintenance in a convenient way. Too hot in the enclosure? No problem, it's easy to integrate a blanking plate with two fans. With Actassi KDB, the new flat-pack knock-down boxes, you save 60 % of space in the stock. And it takes only 5 minutes to assemble it.



Actassi OPB and KDB



Actassi OPB
Open Box with swing
rack



Actassi OPB
Open Box with fixed
rack



Actassi OPB
Mobile Open Box



Actassi KDB
Knock-Down Box



Actassi wall-mounting

Maximised capacity and swift maintenance with Actassi OPB

Time for adjustments? Just open the sides and fold out the swing rack. Replace and add whatever parts you need, no tools are necessary. Fold back the rack, close the sides and you are done. To increase the flexibility of the entire installation, use the Actassi OPB as a distributed solution.



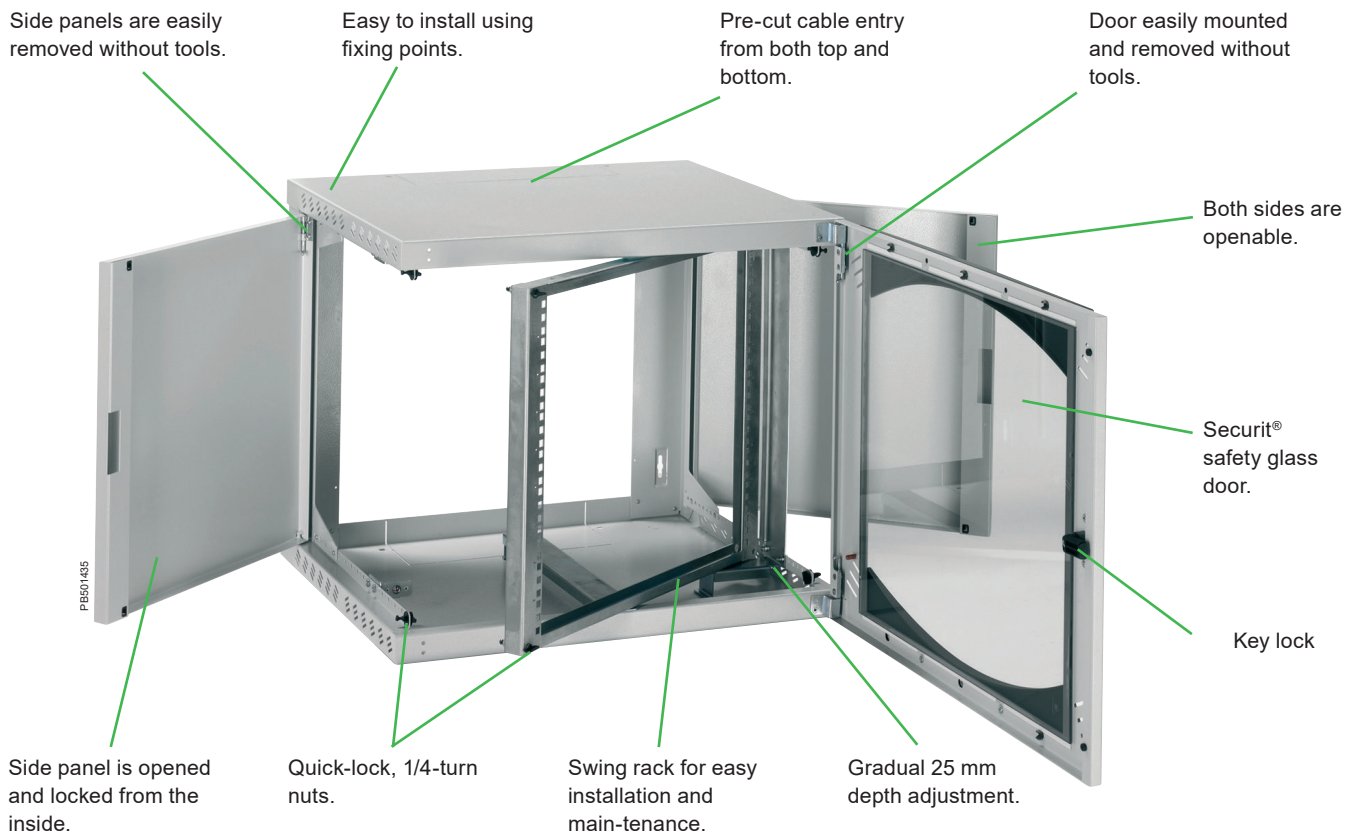
The Actassi OPB serves perfectly as a distributed solution. In a hospital for instance, the need for quick, reliable and easily expandable network connectivity can be crucial.

Actassi OPB – open for installation

The Actassi OPB is wide open for a swift and struggle-free installation. Steady as a rock, even with the side panels and the door dismantled.

The swing rack makes all the difference

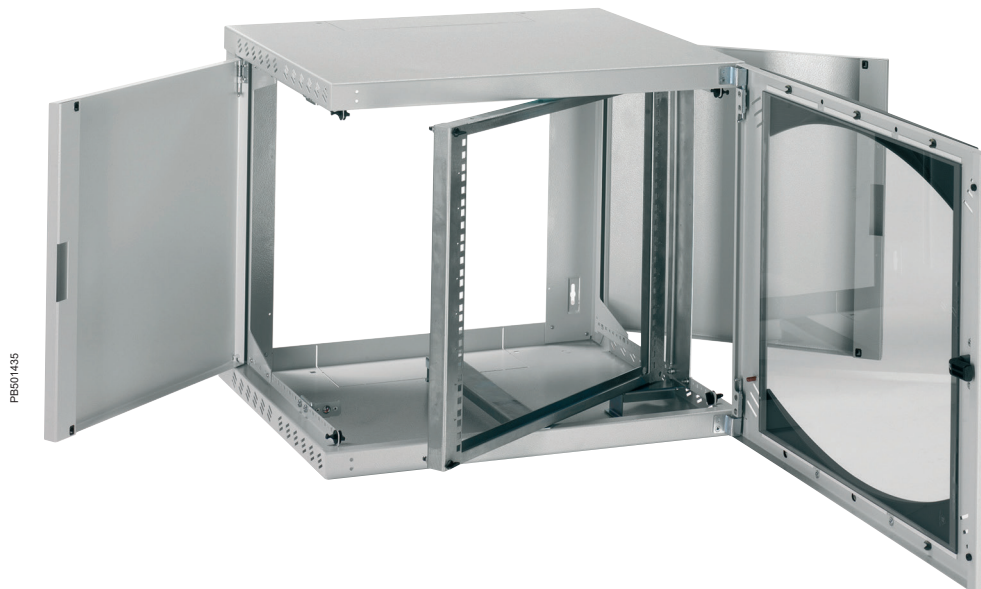
When making the first installation, as well as continuous upgrades, you will find that the swing rack makes all the difference for you as an installer. Access from all sides, pre-cut cable entries and minimum usage of tools are some of the other features that make the OPB truly open for installation and maintenance.



OPB

19" Wall Open Box

Ergonomic and adaptable



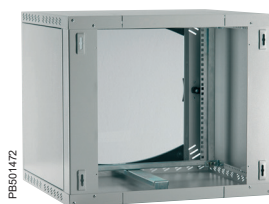
Actassi OPB is assembled at delivery, ready to use



Side panels, swing rack and door can be opened and removed without tools. Quick and easy.

50 kg

The body allows mounting of components up to 50 kg.



Easy to install

The Actassi OPB enclosure can be wall-mounted by a single person using the fixing points intended for the passage of holding screw heads into the wall.



Ergonomics

The side panels swing through 120° and can be easily removed without tools. Rear access is easy. Door easily removable without tools.



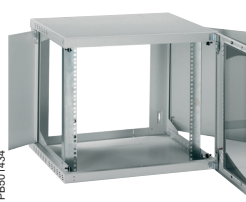
Easy to cable

The cable entries, top or bottom, are pre-cut and open into the rear of the Actassi OPB enclosure. The enclosure fits around those cables that are already in place (rear blanking plate optional).



Adaptable

The 19" uprights are designed to be depth-adjustable with a step of 25 mm. Their fixing with screws guarantees the rigidity of the Actassi OPB enclosure.



Easy to install and to reverse

Its drilling template on the packaging and its 4 wall-mounting points enable quick and efficient installation while guaranteeing reversibility by simply turning the enclosure around.



Ergonomics

The side panels are locked from the inside by two 1/4-turn nuts, accessible only when the door is open.

Introduction and selection guides



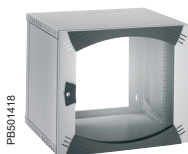
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Total accessibility with the swing rack and the swingable and removable side panels and door.

- Wall-mounting enclosure made from folded and welded sheet steel, powder paint, leather-grain finish, RAL 7035 light grey epoxy-polyester
- Enclosure made up of a body, 2 hinged and removable side panels, a 19" swing rack and a Securit® glass transparent door with key no. 333
- Protection rating: IP20
 - object size protected against > 12.5 mm
 - no liquid protected
- Impact Protection: IK08
 - impact energy = 5 joules
- Available enclosures:
 - 5 heights: 6, 9, 12, 15, 18U
 - 3 depths: 400, 500 and 600 mm
- Swing rack: acceptable load of 25 kg (Include 25 % of margin load rating according to the IEC 62208)
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310-E.

Installed enclosures



PB501418



PB501436



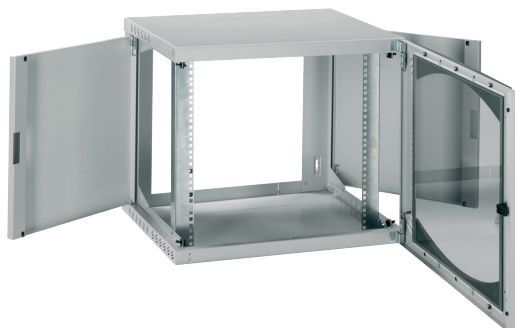
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PB501011

Number of U	Dimensions (mm)			Enclosure reference	Blanking plate	Cable-gland plate with brush gasket	Blanking plate with 2 fans
	Height	Width	Depth				
6	380	600	400	NSYOPB6U4P	NSYOPB6UTPN	NSYEC300	Cannot be used directly with UK PDU NSYECVT300
6	380	600	500	NSYOPB6U5P	NSYOPB6UTPN		
9	515	600	400	NSYOPB9U4P	NSYOPB9UTPN		
9	515	600	500	NSYOPB9U5P	NSYOPB9UTPN		
12	650	600	500	NSYOPB12U5P	NSYOPB12UTPN		
12	650	600	600	NSYOPB12U6P	NSYOPB12UTPN		
15	780	600	500	NSYOPB15U5P	NSYOPB15UTPN		
15	780	600	600	NSYOPB15U6P	NSYOPB15UTPN		
18	915	600	500	NSYOPB18U5P	NSYOPB18UTPN		

Introduction and selection guides



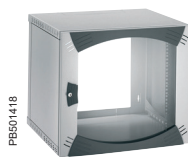
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2U extra space "for free",
1U in the top and 1U in
the bottom. Can be used
for example for power
rails.

- Wall-mounting enclosure made from folded and welded sheet steel, powder paint, leather-grain finish, RAL 7035 light grey epoxy-polyester
- Enclosure made up of a body, 2 hinged and removable side panels, 19" fixed uprights and a Securit® glass transparent door or plain sheet steel door with key no. 333
- Protection rating: IP20
 - object size protected against > 12.5 mm
 - no liquid protected
- Impact Protection: IK08 (for glazed door)
 - impact energy = 5 joules
- Impact Protection: IK10 (for plain door)
 - impact energy = 20 joules
- Available enclosures:
 - 6 heights: 6, 9, 12, 15, 18, 21U
 - 3 depths: 400, 500 and 600 mm
- Fixed 19" rack. Acceptable load: 3 kg/U; max. 50 kg per enclosure (Include 25 % of margin load rating according to the IEC 62208)
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310-E.

Installed enclosures



Number of U	Dimensions (mm)			Enclosure reference	Blanking plate	Cable-gland plate with brush gasket	Blanking plate with 2 fans
	Height	Width	Depth				
6	380	600	400	NSYOPB6U4F	NSYOPB6UTPN	NSYECP300	Cannot be used directly with UK PDU NSYECVT300
6	380	600	500	NSYOPB6U5F	NSYOPB6UTPN		
9	515	600	400	NSYOPB9U4F	NSYOPB9UTPN		
9	515	600	500	NSYOPB9U5F	NSYOPB9UTPN		
9	515	600	600	NSYOPB9U6F	NSYOPB9UTPN		
12	650	600	400	NSYOPB12U4F	NSYOPB12UTPN		
12	650	600	500	NSYOPB12U5F	NSYOPB12UTPN		
12	650	600	600	NSYOPB12U6F	NSYOPB12UTPN		
15	780	600	400	NSYOPB15U4F	NSYOPB15UTPN		
15	780	600	500	NSYOPB15U5F	NSYOPB15UTPN		
15	780	600	600	NSYOPB15U6F	NSYOPB15UTPN		
18	915	600	400	NSYOPB18U4F	NSYOPB18UTPN		
18	915	600	500	NSYOPB18U5F	NSYOPB18UTPN		
21	1050	600	500	NSYOPB21U5F	NSYOPB21UTPN		
21	1050	600	600	NSYOPB21U6F	NSYOPB21UTPN		

Enclosure with plain door



Number of U	Dimensions (mm)			Enclosure reference	Blanking plate	Blanking plate with 2 fans
	Height	Width	Depth			
9	515	600	400	NSYOPB9U4FR	NSYOPB9UTPN	Cannot be used directly with UK PDU
12	650	600	400	NSYOPB12U4FR	NSYOPB12UTPN	
15	780	600	500	NSYOPB15U5FR	NSYOPB15UTPN	NSYECVT300
18	915	600	500	NSYOPB18U5FR	NSYOPB18UTPN	

PB601476



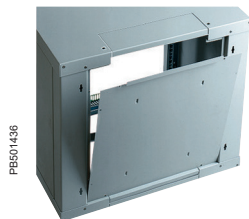
Made for audiovisual application

Technical characteristics

- The body of the enclosure has cut-outs at the top and bottom to allow natural ventilation
- The cables can enter through the rear opening and through the pre-cut areas on the top and bottom surfaces of the enclosure
- 4 cut-outs are provided for wall-mounting
- The 2 side panels can be opened very easily by means of two 1/4-turn nuts. These panels can be removed, without tools
- The 19" uprights in zinc-coated steel are depth-adjustable on a 25 mm step
- The Securit® glass door is completely reversible. It is equipped with a handle and a lock with closure by key no. 333. It is easily dismantable without tools
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310-E.

Composition

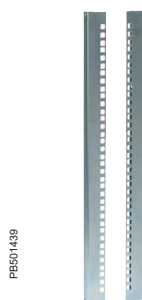
- Actassi OPB with top and bottom cut-outs
- 1 glazed front door with a lock, key no. 333
- 1 rear plate, reference: **NSYOPB6UTPN** to **NSYOPB21UTPN**
- 4 depth-adjustable 19" uprights. Additional uprights available
- 4 castors, reference **NSYRUFOPB**
- Option of installing a plinth instead of the castors.



Rear blanking plate

- Blanking plate made from sheet steel, powder paint, leather-grain finish, RAL 7035 light grey epoxy-polyester
- Delivered with the fixings required for installation.

Number of U	Ref. No
6	NSYOPB6UTPN
9	NSYOPB9UTPN
12	NSYOPB12UTPN
15	NSYOPB15UTPN
18	NSYOPB18UTPN
21	NSYOPB21UTPN



Additional 19" uprights

- Batch of two 19" uprights delivered with the fixings required for installation
- Material: zinc-coated sheet steel, 20/10 mm thick
- Maximum load: 3 kg/U; max. 50 kg per enclosure
- Unit marking.

Number of U	Ref. No
6	NSYOPB6UF
9	NSYOPB9UF
12	NSYOPB12UF
15	NSYOPB15UF
18	NSYOPB18UF
21	NSYOPB21UF



19" uprights, rear, 2U

- Allows to save 2U on the front and to fix Power Distribution Unit on the back of the enclosure
- Batch made up of 2 partial 2U 19" uprights delivered with the fixings required for installation
- It is fixed to the rear of the enclosure
- It allows the installation of products in 19" format
- Height adjustment with a step of 44.45 mm (1U)
- Material: zinc-coated sheet steel.

Number of U	Ref. No
2	NSYSSOPB



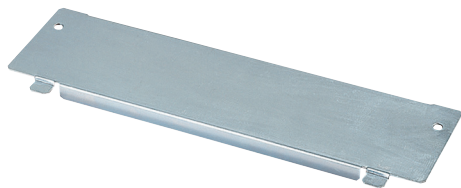
Cable support for enclosure, rear

- Allows to secure and guide the cables on the back of the enclosure
- Fixed to the rear of the enclosure to support and fix the cables
- Height adjustable with a step of 44.45 mm (1U)
- Material: zinc-coated steel
- Delivered with the fixings required for installation.

Cable support

NSYSPBOPB

PB501444



Top or bottom blanking plate

- Plain blanking plate
- Material: zinc-coated steel sheet
- Delivered with the fixings required for installation.

Ref. No

NSYEC300

PB501440



Blanking plate with brush gasket

- Fixing to the top or bottom openings of the enclosures
- Material: zinc-coated steel sheet
- Delivered with the fixings required for installation.

Dimensions (mm)

35 x 300

Ref. No

NSYECPT300

PB501009



Total brush gasket

- It is fixed to the top and bottom cable entries.

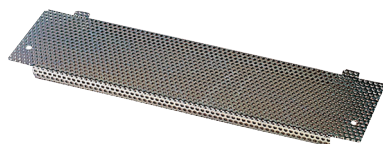
Dimensions (mm)

100 x 300

Ref. No

NSYECPT300

PB501443



Top or bottom blanking plate with ventilation louvres

- Fixing to the top or bottom openings of the enclosures
- Material: zinc-coated sheet steel
- Delivered with the fixings required for installation.

Ref. No

NSYECAV300

PB501011



Top or bottom blanking plate with 2 fans

- 2 fans installed and wired to on the terminal block, including a protection grille.
- A power supply cable of 2 m in length is supplied connected
- Free flow of 35 m³/h each
- Fixing to the top or bottom openings of the enclosures
- Material: zinc-coated sheet steel
- Delivered with the fixings required for installation
- Sound level: 35 dB (A)
- Cannot be used directly with UK PDU.

Ref. No

NSYECVT300



See also the 19-E
Universal accessories

PB501488



Thermal management
page 234

PB501446



Levelling feet

- Delivered with the fixings required for installation
- Require drilling of the enclosure at the knock-out point for direct installation
- Batch of 4 parts.

Ref. No

NSYPNOPB

PB501447



Wheels

- Delivered with the fixings required for installation
- Require drilling of the enclosure at the knock-out point for direct installation
- Installation possible on the plinth
- Batch of 4 parts.

Ref. No

NSYRUFOPB

PB501500



Plinths

- Material: sheet steel, 15/10 mm thick, powder paint, leather grain finish, RAL 7011 dark grey epoxy-polyester
- Height 100 mm
- Delivered with the fixings required for installation
- Removable surfaces
- Knock-out entries on the side and rear surfaces for cable entry.

Dimensions (mm)

Width

Depth

Ref. No

600

500

NSYZUN65OPB

600

600

NSYZUN66OPB

PB501530



Brush gasket for the cable entries through the plinth

- It is fixed to the knock-out areas for the cable entries
- Delivery as a unit.

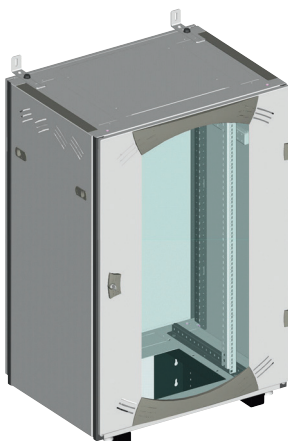
Entry width (mm)

75 x 400

Ref. No

NSYJPSVD

PB501531



Wall-mounting kit for the enclosures

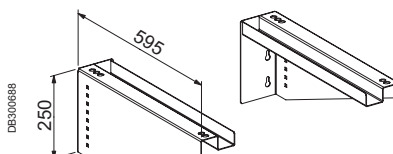
- Allows wall-mounting of enclosures from 6U to 29U, with a depth of 600 mm
- Maximum load inside the enclosure: 50 kg
- The kit includes 2 brackets
- Maximum load inside the rack: 100 kg.

Enclosure depth (mm)

600

Ref. No

NSYCFRS



PB501442



Partial fixed slides

- Batch of 2 slides for supporting a drawer, a shelf or 19" hardware
- Fixing by attachment on the front 19" uprights
- Material: zinc-coated steel
- Acceptable load: 15 kg.

Width (mm)	Ref. No
140	NSYGF140OPB

PB501449



Fixed slides

- Batch of 2 slides for supporting a drawer, a shelf or 19" hardware
- Fixing by attachment between the front and rear 19" uprights
- Material: zinc-coated steel
- Heel of 0 mm
- Acceptable load: 15 kg.

Centre-to-centre distance (mm)	Ref. No
200	NSYGF200OPB

PB501450



Rear cable support on 19" uprights

- Fixing to the rear of the 19" uprights to support the cables
- Material: zinc-coated steel
- Delivered with the fixings required for installation.

Ref. No
NSYSRCOPB

Actassi KDB knock-down boxes – ideal for smaller businesses

Imagine providing excellent equipment for network, telephone, security and audio video while saving up to 60 % on stock space. Add smart benefits like the flat package and the exceptional mounting time of 5 minutes, and you have the major advantages of the KDB enclosure in a little box.



The Actassi KDB boxes are available at your wholesaler. Always quick and easy to find an enclosure for your needs.

Actassi KDB knock-down box

A sturdy, robust enclosure made of welded sheet steel, with great opportunities for several kinds of installations, would probably lead to quite time- and space-consuming mounting and installation. Not the Actassi KDB knock-down boxes. The keyword is “easy”.

Easy to stock, assemble and manage

Let's start with the package. The clever flat pack will help save up to 60 % on storage space. It's easy to stock – just grab a couple of packages from the shelf, load them into the your car and you are ready to go.

On site, the enclosure can be put up, wall-mounted and prepared for the components in just a few minutes. In addition, there are a number of handy features that provide equal easiness: the tool-less door with spring hinges for optimised access to the patch panels, the brush panel for swift cable management and the fan plates for smart ventilation.



Save 60 % on stock space

The KDB enclosure is easy to stock and load. The flat pack allows you to save up to 60 % on space, which means you can make more installations in less time.



5 minutes
1 person
1 tool

Actassi KDB enclosure offers exceptional simplicity in terms of mounting and installation. One person can have the KDB set up in less than 5 minutes. And the only tool needed is a regular screwdriver.





5 minutes

You need only five minutes to mount the Actassi KDB enclosure.



Easy to assemble. You only need one single tool. A drilling template facilitates the fixation on the wall.

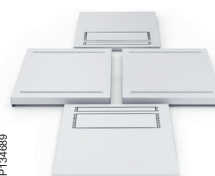
40 kg

The body allows mounting of components up to 40 kg.



Easy to stock and ship

The flat-pack architecture of KDB saves 60 % of space in the stock. It is also very easy to ship and carry.



Easy to assemble

The symmetric construction of the top, bottom and side panels gives easy and safe assembling.



Easy to use

Tool-less door with spring hinges facilitates the access to the patch panels.



Easy to manage the cables (option)

Use the 19" brush panel to manage the entry of cables in a safe way in the top and bottom.



Smart ventilation (option)

Secure the installed components like switches and PABX. Use the 19" smart fan plates equipped with a thermostat adjustable from 0°C to 55°C



Easy to adapt

If you need more space at the front of the enclosure, you can easily move the 19" uprights each 25 mm.

KDB

19" Wall Knock-Down Box

Simple and space-saving



60 %

The flat-pack saves 60 %
of space in the stock

Introduction and selection guides

- Flat-pack wall-mounting enclosure dismantled in 1 package
- Symmetric enclosure made from welded sheet steel, powder-painted, leather-grain finish, RAL 7035 light grey epoxy-polyester.
- Enclosure made up of a body, one pair of 19" fixed uprights and a Securit® glass transparent door with key no. 333.
- Top and bottom 19" Knock-down plates for entry cables and fans – 0U
- Protection rating: IP20
 - object size protected against > 12.5 mm
 - no liquid protected
- Impact Protection: IK08
 - impact energy = 5 joules
- Acceptable load: 3 kg/U; max. 40 kg per enclosure.
(Include 25 % of margin load rating according to the IEC 62208)
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310-E
- Brush entry cables **NSYCRTM1U1PS** (in option)
- Smart fan **NSY1FAN230T** to manage the temperature from 0°C to 55°C (in option).



Number of U	Dimensions (mm)			Enclosure	Brush entry cables	Smart fan
	Height	Width	Depth	Ref. No		
6U	352	600	400	NSYKDB6U4F	NSYCRTM1U1PS	NSY1FAN230T
9U	485	600	400	NSYKDB9U4F		
12U	618	600	600	NSYKDB12U6F		
15U	752	600	600	NSYKDB15U6F		

Smart and Basic fans

- 19" fan plate
- 0U on top and bottom of the box
- 3U fixed on the 19" uprights
- Equipped with 1 or 2 fans
- 90 CFM for each one (155 m³/h)
- 230 V - AC
- plugs IEC 14 to power
- in: socket IEC C14 - To be powered with IEC C13 plug power cable
- Delivered without cable.

Smart fans

- Equipped with 1 adjustable thermostat 0°C to 55°C
- Equipped with 1 led switch On/Off.

Basic fans

- Without thermostat and switch.

Smart fans		Type	Ref. No
P133103 	P111047 	1 Fan	NSY1FAN230T
P131633 	P111047 	2 Fans	NSY2FAN230T
Basic fans		Type	Ref. No
P133102 		1 Fan	NSY1FAN230
P133104 		2 Fans	NSY2FAN230

Cables for smart & basic fan plates

- Black power cables of 3 m to power the fan plates.

	Plug Out	Plug In	Ref. No		Plug Out	Plug In	Ref. No
 P133098	IEC C13	Schuko/FR	NSYIEC13SCH	 P133101	IEC C13	IEC C14	NSYIEC13IEC14

Actassi floor-standing enclosures

Are you looking for an enclosure that is robust and very quick to install? Actassi VDA should be your choice. Smart details and a possibility to choose pre-installed accessories reduce the installation time. If you need a top-of-the-line server enclosure, Actassi VDS is difficult to beat. It can be mounted with up to 750 kg of 19" components, and the micro-perforated door ensures superior air flow (above 80 %).



Actassi VDA-B
Cabling enclosure



Actassi VDA-E
Cabling enclosure



Actassi VDA-L
Cabling enclosure.
Prepared for Ruko
locking system



Actassi VDS
Server enclosure

VDA

Easy to install and to integrate
19" Cabling enclosure



Adaptable

The Configured offer allows you to clad the rack according to your needs:

- 2 framework models,
- 13 door models,
- 2 side panel models.

Aesthetics and customisation

3 models referenced: VDA-B, VDA-E, VDA-L (Ruko).

2 colour variants:

- bi-colour: RAL 7035 light grey and RAL 7011 dark grey,
- bi-colour: RAL 9011 black and RAL 7011 dark grey.



Saves time

All the doors can be installed and removed quickly. The cladding can be installed and removed by a single operator. The feet can be adjusted from the inside.

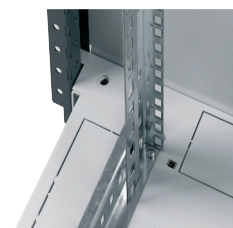


Rigidity and sturdiness

400 kg of acceptable static load. Option of increasing to 500 kg using a rigidity kit.

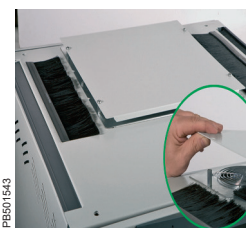
**Innovating**

The side cable entry is the most ergonomic and efficient solution on the market. The top and bottom openings, flush with the structure, allow the strands to be prepared before installing the rack. These openings also allow for easy maintenance and are closed when the side panels are installed.

**Ergonomics**

The routing of the cable glands is easier:

- Knock-out side cable glands at top and bottom.
- Knock-out rear cable glands at top and bottom.
- Large opening on the roof, offset towards the rear and equipped with a removable plate. Allows the integration of live equipment at the top and the entry of cables by the rear.
- Large opening at the bottom.

**Accessories**

The central openings on the roof and the base support multiple blanking plate combinations (plain, with brush gasket or ventilated). Optional installation of the blanking plates with the roof plate thanks to the roof stand-offs.



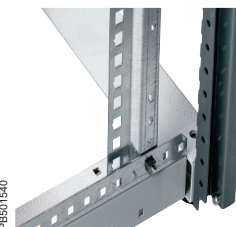
Panels and doors can be installed and removed quickly by a single operator.

**A harmonious design**

With modern aesthetics: strip, handle, hinge, in rounded shape, RAL 7011 dark grey.

**Security**

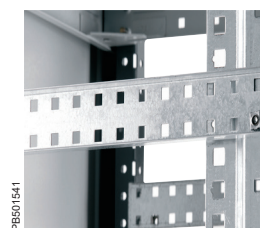
The latches of the panels can be equipped with a key locking system (the key is identical for all the doors).

**Smart**

The pivot and guide system allows the panels to be returned to their place quickly, with maximum security.



The ventilation is adjustable and does not take up any units (1 to 9 fans).

**Practical**

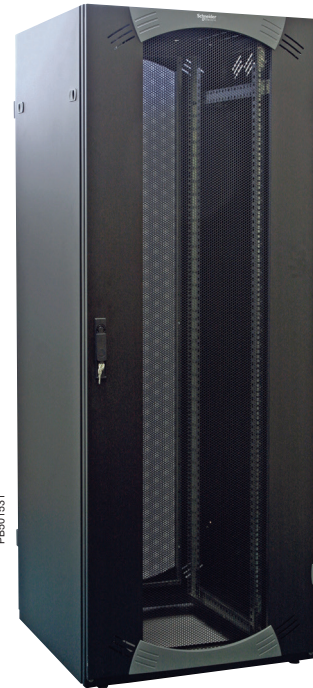
Marking of the units on the front panel and on the side for quick installation of the equipment. The 19" uprights are easily depth-adjustable on the site.

**Adaptable ventilation**

The roof ventilation is depth-adjustable and does not take up any units. Option of installing 1 to 9 fans according to the size of your enclosure.



VDA B/E/L Enclosures



VDS - Server Enclosure

			Acceptable Static Load	Colors		19" Uprights		Lining specificities			usefull information
				Panels/Rear/ Door	Framework	Front	Rear	Door	Side Panel	Rear	
VDA-B	Simple and functional designed for circulation applications with switches and routers		400 kg 882 lbs	Light grey (Ral7035)	Dark grey (Ral7011)	2 uprights	No	glazed, 1 point closure	locking by latches WITH louveres	locking by latches	Earthing kit NSYCTVDA must be ordered separately
VDA-E	Equipped and ready to use for IT and VIDEO applications			Light grey (Ral7035)			2 uprights	glazed, 2 point closure		full plain door 1 point closure	Earthing kit is pre installed
VDA-L	Prepared for Ruko locking System	24U		Black (Ral9011)			No	glazed, 1 point closure			
				Light grey (Ral7035)					glazed, 2 point closure	locking by latches WITHOUT louveres	Adapter NSYAEDN1A-VD is supplied with the rack (for Ruko locking system)
		42U		Light grey (Ral7035)			2 uprights	micro-perforated, 2 point closure			
				Black (Ral9011)							
VDS	19" server enclosure robust and ventilated		750 kg 1654 lbs	Black (Ral9011)		2 uprights	micro-perforated, 2 point closure		locking by latches WITHOUT louveres	microperforated door 2 point closure	Rear and door are the same

VDA-B

Simple and functional

Introduction

VDA-B rack

- Designed for circulation applications with switches and routers
- 6 heights: 24U, 29U, 33U, 38U, 42U and 47U
- 2 widths: 600 and 800 mm
- 3 depths: 600, 800 and 1000 mm
- Acceptable static load: 400 kg
- Dynamic load: 250 kg
- Color:
 - light Grey (RAL 7035) for lining
 - dark Grey (RAL 7011) for framework
- Protection rating: IP20
 - object size protected against > 12.5 mm
 - no liquid protected
- Impact Protection: IK08
 - impact energy = 5 joules
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310D.

Rack composition

- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework
- Base without blanking plate
- Cut-out roof, closed with a removable blanking plate
- Glazed reversible front door, 4 mm Securit® glass, opening to 180°, 1-point lock with a key no. 333. Hinges on the right as standard
- Rear panel with quick installation and removal, locking by latches
- Side panels with louvres, with quick installation and removal, locking by latches
- Top and bottom side cable glands flush with the structure
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm
- Large opening on the bottom and large knock-out area on the rear for cable entry.
- Levelling feet installed
- Two 19" uprights made from treated steel, installed 100 mm back from the front surface and depth-adjustable in steps of 25 mm
- Delivered on a pallet covered with film.

Composition of the rack without side panels

- Exactly the same composition as the above rack, but without the side panels
- Coupling kit not supplied
- In the event of coupling, use the coupling kit (ref. **NSYCUNVDA**) and the brush gasket (ref. **NSYCUNPL800** or **NSYCUNPL1000**) to close the cable entry left by the 2 side panels.



VDA-B

Simple and functional

Selection guide

VDA-B racks, RAL 7035 Light Grey



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with side panels	Rack without side panels	19" uprights	100 mm plinth	Handling castors	Cable-gland trim
24U	1200	600	600	NSYVDA24U66B	-	NSYBR9F24	NSYZUN66VDA	NSYRUFVDA	-
24U	1200	600	800	NSYVDA24U68B	-	NSYBR9F24	NSYZUN68VDA	NSYRUFVDA	-
24U	1200	600	1000	NSYVDA24U610B	-	NSYBR9F24	NSYZUN610VDA	NSYRUFVDA	-
24U	1200	800	600	NSYVDA24U86B	-	NSYBR9F24	NSYZUN86VDA	NSYRUFVDA	NSYPV24
24U	1200	800	800	NSYVDA24U88B	-	NSYBR9F24	NSYZUN88VDA	NSYRUFVDA	NSYPV24
24U	1200	800	1000	NSYVDA24U810B	-	NSYBR9F24	NSYZUN810VDA	NSYRUFVDA	NSYPV24
29U	1400	600	600	NSYVDA29U66B	-	NSYBR9F29	NSYZUN66VDA	NSYRUFVDA	-
29U	1400	600	800	NSYVDA29U68B	-	NSYBR9F29	NSYZUN68VDA	NSYRUFVDA	-
29U	1400	800	600	NSYVDA29U86B	-	NSYBR9F29	NSYZUN86VDA	NSYRUFVDA	-
29U	1400	800	800	NSYVDA29U88B	-	NSYBR9F29	NSYZUN88VDA	NSYRUFVDA	-
33U	1600	600	600	NSYVDA33U66B	-	NSYBR9F33	NSYZUN66VDA	NSYRUFVDA	-
33U	1600	600	800	NSYVDA33U68B	-	NSYBR9F33	NSYZUN68VDA	NSYRUFVDA	-
33U	1600	800	800	NSYVDA33U88B	-	NSYBR9F33	NSYZUN88VDA	NSYRUFVDA	NSYPV33
38U	1800	600	600	NSYVDA38U66B	-	NSYBR9F38	NSYZUN66VDA	NSYRUFVDA	-
38U	1800	600	800	NSYVDA38U68B	-	NSYBR9F38	NSYZUN68VDA	NSYRUFVDA	-
38U	1800	800	600	NSYVDA38U86B	-	NSYBR9F38	NSYZUN86VDA	NSYRUFVDA	-
38U	1800	800	800	NSYVDA38U88B	-	NSYBR9F38	NSYZUN88VDA	NSYRUFVDA	-
42U	2000	600	600	NSYVDA42U66B (1)	-	NSYBR9F42	NSYZUN66VDA	NSYRUFVDA	-
42U	2000	600	800	NSYVDA42U68B	-	NSYBR9F42	NSYZUN68VDA	NSYRUFVDA	-
42U	2000	600	1000	NSYVDA42U610B	-	NSYBR9F42	NSYZUN610VDA	NSYRUFVDA	-
42U	2000	800	600	NSYVDA42U86B	-	NSYBR9F42	NSYZUN86VDA	NSYRUFVDA	NSYPV42
42U	2000	800	800	NSYVDA42U88B (1)	NSYVDAC42U88B	NSYBR9F42	NSYZUN88VDA	NSYRUFVDA	NSYPV42
42U	2000	800	1000	NSYVDA42U810B (1)		NSYBR9F42	NSYZUN810VDA	NSYRUFVDA	NSYPV42
47U	2200	600	600	NSYVDA47U66B	-	NSYBR9F47	NSYZUN66VDA	NSYRUFVDA	-
47U	2200	600	800	NSYVDA47U68B	-	NSYBR9F47	NSYZUN68VDA	NSYRUFVDA	-
47U	2200	800	600	NSYVDA47U86B	-	NSYBR9F47	NSYZUN86VDA	NSYRUFVDA	-
47U	2200	800	800	NSYVDA47U88B	-	NSYBR9F47	NSYZUN88VDA	NSYRUFVDA	-

(1) This size exists in kit version (delivered disassembled)

Only 2 people and 10 mn is needed.

Same Reference but + "K" at the end

> NSYVDA42U66BK

> NSYVDA42U810BK

> NSYVDA42U88BK

VDA-E

Equipped and ready to use

Introduction

VDA-E rack

- Designed for IT and video applications among others
- 4 heights: 24U, 38U, 42U and 47U
- 2 widths: 600 and 800 mm
- 3 depths: 600, 800 and 1000 mm.
- Acceptable static load: 400 kg
- Dynamic load: 250 kg
- Color:
 - light Grey (RAL 7035) for lining
 - dark Grey (RAL 7011) for framework or
 - black (RAL 9011)
- Protection rating: IP20
 - object size protected against > 12.5 mm
 - no liquid protected
- Impact Protection: IK08
 - impact energy = 5 joules
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310D.

Rack composition

- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework
- Base without blanking plate
- Cut-out roof, closed with a removable plain sheet
- Glazed reversible front door, 4 mm Securit® glass, opening to 180°, 2-point lock with a key no. 333 and handle. Hinges on the right as standard. Option of adding a third central locking point as an accessory, with reference **NSYAEDN3PVD**
- Reversible full plain rear door, 1-point lock with a key no. 333, opening to 180°
- Side panels with louvres, with quick installation and removal, locking by latches
- Top and bottom side cable glands flush with the structure
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm
- Large opening on the bottom and large knock-out area on the rear for cable entry
- Levelling feet installed
- Four 19" uprights made from treated steel, installed 100 mm back from the front plate and depth-adjustable in steps of 25 mm
- Delivered on a pallet covered with film
- Earthing kit pre-installed
- 1 bag of fixings with 30 M6 screws + washers + caged nuts.

Composition of the rack without side panels

- Exactly the same composition as the above rack
- Coupling kit not supplied
- In the event of coupling, use the coupling kit (ref. **NSYCUNVDA**) and the brush gasket (ref. **NSYCUNPL800** or **NSYCUNPL1000**) to close the cable entry left by the 2 side panels.

VDA-E racks, RAL 9011 black cladding

- 1 height: 42U
- 2 widths: 600 and 800 mm
- 3 depths: 600, 800 and 1000 mm
- Rack composition
- Delivered assembled.



VDA-E

Equipped and ready to use

Selection guide

VDA-E racks, RAL 7035 Light Grey,



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with side panels	Rack without side panels	100 mm plinth	Handling castors	Cable-gland trim
24U	1200	600	600	NSYVDA24U66E	-	NSYZUN66VDA	NSYRUFVDA	-
24U	1200	600	800	NSYVDA24U68E	-	NSYZUN68VDA	NSYRUFVDA	-
24U	1200	600	1000	NSYVDA24U610E	-	NSYZUN610VDA	NSYRUFVDA	-
24U	1200	800	600	NSYVDA24U86E	-	NSYZUN86VDA	NSYRUFVDA	NSYPV24
24U	1200	800	800	NSYVDA24U88E	-	NSYZUN88VDA	NSYRUFVDA	NSYPV24
24U	1200	800	1000	NSYVDA24U810E	-	NSYZUN810VDA	NSYRUFVDA	NSYPV24
38U	1800	600	600	NSYVDA38U66E	-	NSYZUN66VDA	NSYRUFVDA	-
38U	1800	600	800	NSYVDA38U68E	-	NSYZUN68VDA	NSYRUFVDA	-
38U	1800	800	600	NSYVDA38U86E	-	NSYZUN86VDA	NSYRUFVDA	-
38U	1800	800	800	NSYVDA38U88E	-	NSYZUN88VDA	NSYRUFVDA	-
42U	2000	600	600	NSYVDA42U66E	-	NSYZUN66VDA	NSYRUFVDA	-
42U	2000	600	800	NSYVDA42U68E	-	NSYZUN68VDA	NSYRUFVDA	-
42U	2000	600	1000	NSYVDA42U610E	-	NSYZUN610VDA	NSYRUFVDA	-
42U	2000	800	600	NSYVDA42U86E	-	NSYZUN86VDA	NSYRUFVDA	NSYPV42
42U	2000	800	800	NSYVDA42U88E	NSYVDAC42U88E	NSYZUN88VDA	NSYRUFVDA	NSYPV42
42U	2000	800	1000	NSYVDA42U810E	-	NSYZUN810VDA	NSYRUFVDA	NSYPV42
47U	2200	600	600	NSYVDA47U66E	-	NSYZUN66VDA	NSYRUFVDA	-
47U	2200	600	800	NSYVDA47U68E	-	NSYZUN68VDA	NSYRUFVDA	-
47U	2200	800	600	NSYVDA47U86E	-	NSYZUN86VDA	NSYRUFVDA	-
47U	2200	800	800	NSYVDA47U88E	-	NSYZUN88VDA	NSYRUFVDA	-

VDA-E racks, RAL 9011 black



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with side panels	Rack without side panels	100 mm plinth	Handling castors	Cable-gland trim
42U	2000	600	600	NSYVDA42U66EN	-	NSYZUN66VDA	NSYRUFVDA	-
42U	2000	600	800	NSYVDA42U68EN	-	NSYZUN68VDA	NSYRUFVDA	-
42U	2000	600	1000	NSYVDA42U610EN	-	NSYZUN610VDA	NSYRUFVDA	-
42U	2000	800	600	NSYVDA42U86EN	-	NSYZUN86VDA	NSYRUFVDA	NSYPV42
42U	2000	800	800	NSYVDA42U88EN	-	NSYZUN88VDA	NSYRUFVDA	NSYPV42
42U	2000	800	1000	NSYVDA42U810EN	-	NSYZUN810VDA	NSYRUFVDA	NSYPV42

VDA-L

Prepared for Ruko locking system

Introduction

VDA-L rack, RAL 7035 Light Grey

- Designed for IT and video applications among others
- Height: 24U - 42U
- 2 widths: 600 and 800 mm
- 2 depths: 600 and 800
- Acceptable static load: 400 kg
- Dynamic load: 250 kg
- Color:
 - light Grey (RAL 7035) for lining
 - dark Grey (RAL 7011) for framework or
 - black (RAL 9011)
- Protection rating: IP20
 - object size protected against > 12.5 mm
 - no liquid protected
- Impact Protection: IK08
 - impact energy = 5 joules
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310D.

Rack composition

- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework
- Base without blanking plate
- Cut-out roof, closed with a removable plate equipped with a brush gasket
- Glazed or front door, 4 mm Securit® glass, opening to 180°, 2-point lock with a key no. EK333 and handle. Hinges on the right as standard. Option of adding a third central locking point as an accessory, with reference NSYAEDN3PVD
- Single rear panel
- Side panels with quick installation and removal, locking by latches
- Top and bottom side cable glands flush with the structure
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm
- Large opening on the bottom and large knock-out area on the rear for cable entry
- Levelling feet
- One pair of 19" uprights made from treated steel, installed 100 mm back from the front plate and depth-adjustable in steps of 25 mm
- Delivered on a pallet covered with film.

Composition of the rack without side panels

- Exactly the same composition as the above rack, but without the side panels.
- Coupling kit not supplied
- In the event of coupling, use the coupling kit (ref. NSYCUNVDA) and the brush gasket (ref. NSYCUNPL800 or NSYCUNPL1000) to close the cable entry left by the 2 side panels.

VDA-L racks, RAL 9011 black

- 1 height: 42U
- 1 width: 600 mm
- 1 depths: 1000 mm.

Rack composition

- Same composition to the above rack with glazed door
- Two pairs of 19" uprights made from treated steel, installed 100 mm back from the front plate and depth-adjustable in steps of 25 mm
- Delivered assembled.



PB001945



PB001420

VDA-L

Prepared for Ruko locking system

Selection guide

VDA-L racks, RAL 7035 Light Grey

								
				PB501419	PB501519	PB501525	PB501500	PB501501
Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with glazed door	Rack with plain door	19" uprights	100 mm plinth	Handling castors
24U	1200	600	800	NSYVDA24U68L	-	NSYBR9F24	NSYZUN68VDA	NSYRUFVDA
42U	2000	600	600	NSYVDA42U66L	NSYVDA42U66LR	NSYBR9F42	NSYZUN66VDA	NSYRUFVDA
42U	2000	600	800	NSYVDA42U68L	NSYVDA42U68LR	NSYBR9F42	NSYZUN68VDA	NSYRUFVDA
42U	2000	800	800	NSYVDA42U88L	NSYVDA42U88LR	NSYBR9F42	NSYZUN88VDA	NSYRUFVDA
42U	2000	800	600	NSYVDA42U86L	NSYVDA42U86LR	NSYBR9F42	NSYZUN86VDA	NSYRUFVDA

VDA-L racks, RAL 9011 black

						
				PB501420	PB501500	PB501501
Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with glazed door	100 mm plinth	Handling castors
42U	2000	600	1000	NSYVDA42U610LN	NSYZUN610VDA	NSYRUFVDA
42U	2000	800	1000	NSYVDA42U810LN	NSYZUN810VDA	NSYRUFVDA

VDS

19" server enclosure

Robust and ventilated



PB501831



P131339

Ventilated

The front and rear doors are microperforated on the width of the 19" uprights to channel the air flows onto the equipment. They allow above 80 % of air through for optimum ventilation of the live components that equip the 19" rack.



PB501624

Rigidity and robustness

750 kg of acceptable static load.



P132763

Vertical cable manager (as option)

Efficient vertical cable managers can be used to duct, support and hide fibre and copper cables in improving airflow.



PB501630

Adaptation and customisation

The configured offer allows you to clad the rack according to your needs:

- 2 framework models.
- 13 door models (microperforated double door, etc.).
- 2 side panel models.

VDS

19" server enclosure

Robust and ventilated



The ventilation is adjustable and does not take up any units (1 to 9 fans).



Panels and doors can be installed and removed quickly by a single operator.

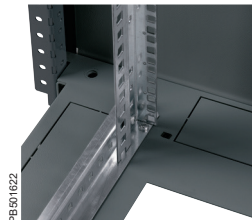


PB501620

Innovating

The side cable entry is the most ergonomic and efficient solution on the market.

The top and bottom openings, flush with the structure, allow the strands to be prepared before installing the rack. These openings also allow for easy maintenance and are closed when the side panels are installed.



PB501622

Ergonomic

The routing of the cable entries is easier:

- Side cable entries at top and bottom, pre-cut.
- Rear cable entries at the bottom, pre-cut.
- Large opening on the roof, offset towards the rear and equipped with a blanking plate.
- Allows the integration of live equipment at the top and the entry of cables from the rear.
- Large opening at the bottom.



PB501628

Adaptable ventilation

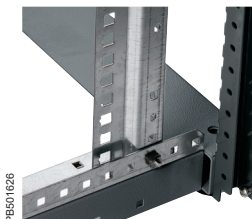
The roof ventilation is depth adjustable and does not result in the loss of any units. Option of installing 1 to 9 fans according to the size of your enclosure.



PB501625

Security

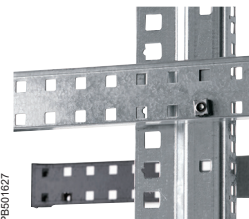
The latches of the panels can be equipped with a key locking system (the key is identical for all the doors).



PB501626

Smart

The pivot and guide system allows the panels to be returned to their place quickly, with maximum security.



PB501627

Practical

Marking of the units on the front panel and on the side for quick installation of the equipment.

The 19" uprights are easily depth-adjustable on the site.



PB501623

Saves time

All the doors and panels can be installed and removed quickly. The cladding can be installed and removed by a single person. The feet can be adjusted from the inside.



PB501629

Accessories

The central openings on the roof and the base support allow multiple blanking plate combinations (plain, with brush or ventilated). Possibility of installing the blanking plates with the roof plate thanks to the roof stand-offs.

VDS

19" server enclosure

Robust and ventilated

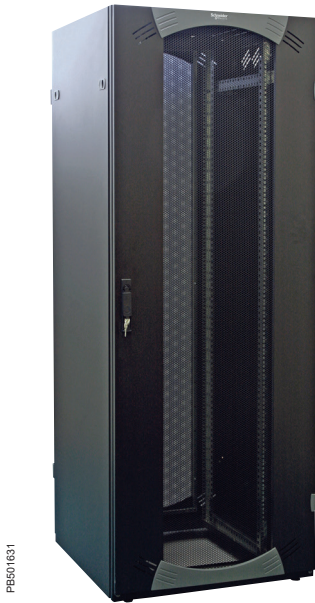
Introduction

Technical characteristics

- **Folded and welded sheet-steel enclosure, textured, RAL 9011 black epoxy-polyester powder paint**
- **Earth continuity guaranteed, according to the standard**
- **Allowed air flow above 80 %**
- **Acceptable static load: 750 kg**
- **Color: black (RAL 9011)**
- **Protection rating: IP20**
- object size protected against > 12.5 mm
- no liquid protected
- **Impact Protection: IK10**
- impact energy = 20 joules
- **Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310D.**

Rack composition

- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework
- Base without blanking plate
- Cut-out roof, closed with a blanking plate with dismountable brush gasket
- Reversible microperforated front and rear door, opening to 180°, closure at 2 points with a handle and a key no. 333. Hinges on the right as standard
- Side panels with no louvres, with quick installation and removal, closing by latches
- Top and bottom side cable entries flush with the structure
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm
- Large opening on the bottom and large knock-out area on the rear for cable entry
- Levelling feet installed
- Four 19" uprights made from treated steel, installed 100 mm back from the front plate and depth-adjustable in steps of 25 mm
- Earthing kit installed
- Delivered on a pallet covered with film
- Composition of the rack without side panels
- Exactly the same composition as the above rack, but without the side panels
- Coupling kit not supplied
- In the event of coupling, use coupling kit ref. **NSYCUNVDA** and brush gasket (ref. **NSYCUNPL800** or **NSYCUNPL1000**) to close the cable entry left by the 2 side panels.



PB501631

VDS

19" server enclosure

Robust and ventilated

Selection guide

Server rack with and without side panels



Number of U	Ext. dimensions (mm)			Rack	Rack without side panels	100 mm plinth	Stand-off plinth for raised floor
	Height	Width	Depth				
24U	1200	600	1000	NSYVDS24U610N	-	NSYZUN610VDA	NSYAEBP2F610
24U	1200	800	800	NSYVDS24U88N	-	NSYZUN88VDA	NSYAEBP2F88
24U	1200	800	1000	NSYVDS24U810N	-	NSYZUN810VDA	NSYAEBP2F810
42U	2000	600	800	NSYVDS42U68N	-	NSYZUN68VDA	NSYAEBP2F68
42U	2000	600	1000	NSYVDS42U610N	-	NSYZUN610VDA	NSYAEBP2F610
42U	2000	800	800	NSYVDS42U88N	-	NSYZUN88VDA	NSYAEBP2F88
42U	2000	800	1000	NSYVDS42U810N	NSYVDSC42U810N	NSYZUN810VDA	NSYAEBP2F810



Configured

- Configured service: save time and devote yourself to your installation, we perform the product composition, colour and accessory installation for you.
- A single order, a single delivery.

See page 238



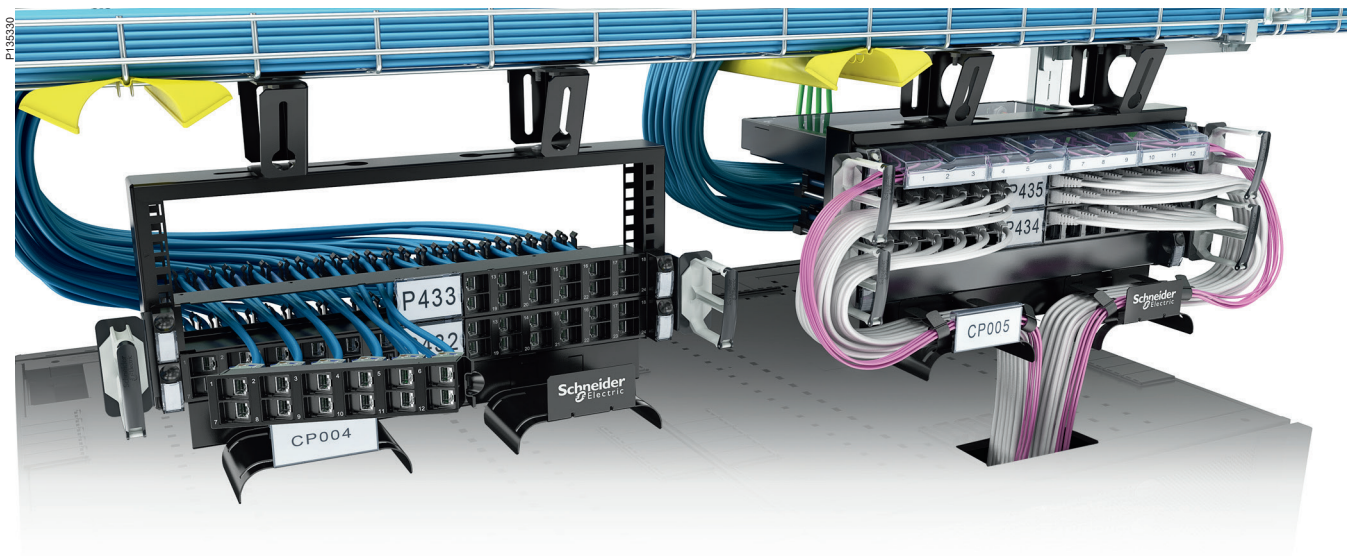
Specific

- Specific service: tailor-made enclosures, we perform the enclosure dimensions (15U rack, 400 mm deep, etc.), knock-outs, product composition, colour and accessory installation for you.
- A single order, a single delivery.

See page 243

Patching frame

Overhead patching frame



The Actassi 19" overhead patching frame allows you to use the empty space above the enclosure. Just mount the frame onto the tray, either vertically or at an angle. For mounting on Defem mesh trays, use the Defem B1 fitting. Install patch panels and make the entire enclosure beneath available for server hosting. The patching frame now works as a consolidation point, enabling flexible cabling layout as well as convenient addition of new enclosures and servers.



Robust cord managers for bending radius protection.



Large label for clear visibility from the ground.



For maximum convenience, the brackets enable vertical or angled mounting of the frame.

Actassi 19" overhead patching frame 4U

- 19" frame
- Designed to be mounted in a mesh tray or cable ladder to provide 4U patching positions and to save space in the enclosure below
- 4U height
- In compliance with the directive RoHS and with 19" standards EIA 310-D and IEC 60297-3-100
- Dimensions: 500 x 350 x 160 mm
- Material: steel AN10130 DC01 painted in Raven Black
- Holds up to 15 Kg
- Equipped with two cord managers that secure the bending radius of the cords going down to the enclosure. It includes 4 self-grip strips of 30 cm
- Equipped with a big label holder for easy readability from the ground.

Description

Overhead 19" patching frame 4U

Ref. No

VDIM33174



VDA/VDS

EA accessories

Locking systems



PB501607

Locking system (P1)

- Allows the closure of a side panel and the rear panel.
- Lock with key no. 333 with escutcheon plate
- It is installed on the opening latches of the side and rear panels
- Delivery of 2 locks per panel.

Ref. No
NSYSTVDA

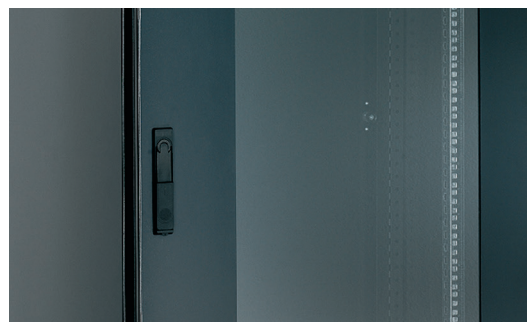


NSYAEDN1AVD

Adapter for 2-point closure handle

- Assembly on the rear of the handle for doors with 2-point closures as standard on Actassi VDA-E or Actassi VDS
- Adapter supplied without the insert.

Adapter	Ref. No
DIN half-cylinder	NSYAEDN1DVD
ASSA	NSYAEDN1AVD
KABA	NSYAEDN1KVD

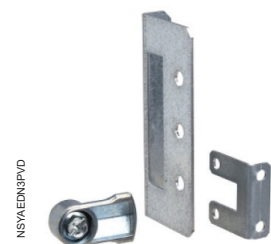


PB501420

Key insert for 2-point closure

- Assembly on the handle for doors with 2-point closures as standard on the Actassi VDA-E front door or on Actassi VDS.

Key no.	Ref. No
2124E	NSYAEDNH2124EVD

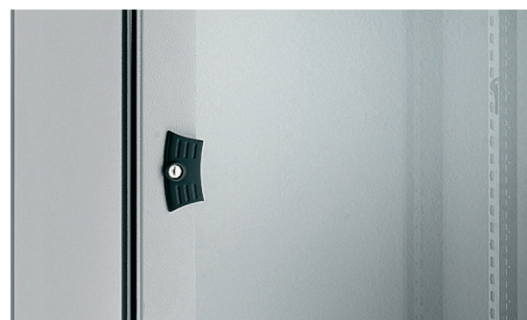


NSYAEDN3PVD

3rd closure point for handle

- Assembly on the handle for doors with 2-point closures as standard on the Actassi VDA-E front door or on Actassi VDS
- Provides a 3rd closure point (central).

Ref. No
NSYAEDN3PVD

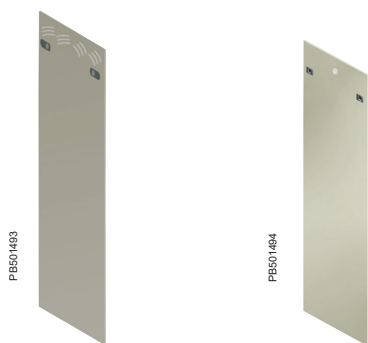


PB501419

Key insert for 1-point closure

- Assembly on the handle for doors with 1-point closure as standard on the Actassi VDA or on Actassi VDA-B or on the Actassi VDA-E rear door.

Key no.	Ref. No
2124E	NSYAEDN2124EVD



Side panels

- Panels made from folded sheet steel with ventilation louvres and plastic obturators at the ends, epoxy-polyester, textured, powder paint
- Panels with quick assembly and removal by latches
- Unit of 2 panels delivered in cardboard packaging
- Option of installing a lock with key ref. **NSYSTVDA**.

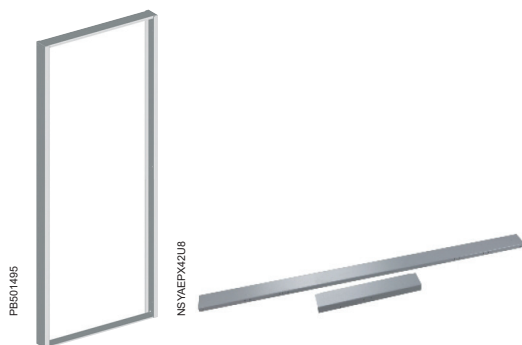
Number of U	Height (mm)	Depth (mm)	RAL 7035 light grey	RAL 9011 black
24U	1200	600	NSY2PLVDC24U6	-
24U	1200	1000	NSY2PLVDC24U10	-
33U	1600	600	NSY2PLVDC33U6	-
42U	2000	600	NSY2PLVDC42U6	-
42U	2000	800	NSY2PLVDC42U8	NSY2PLVDC42U8N
42U	2000	1000	NSY2PLVDC42U10	NSY2PLVDC42U10N



Perforated rear partial panel

- Perforated rear panel for partial door on the VDA enclosures
- Allows the installation of a blanking plate ref. **NSYEC440**, **NSYEC440**, **NSYECVA440**, **NSYECVT3440**, **NSYECVT3V440**, etc.
- 1.5 mm sheet steel, RAL 7035 light grey paint.

Height (mm)	Width (mm)	Ref. No
250	600	NSYPECC26



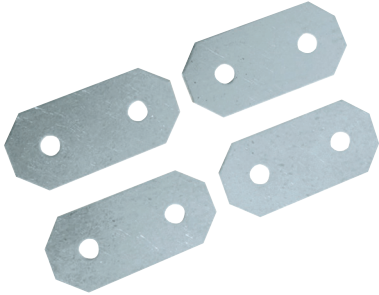
100 mm rear extension kit (D20)

- Frame made from folded sheet steel, RAL 7035 light grey, epoxy-polyester, textured, powder paint
- Assembly on the rear of the enclosure framework
- Allows the assembly of a door or a panel
- Makes it possible to obtain depths of 700, 900 and 1100 mm
- Delivered with assembly instructions
- Other sizes, please consult us.

Number of U	Ref. No
	Width 800 mm
42U	NSYAEPX42U8

To order your enclosure elements, please consult the configuration sheet on page 236.

PB501498



Coupling kit (R1)

- Kit to be used when coupling two racks side by side
- Kit made up of 4 flanges and the fixings required for assembly.

Ref. No**NSYCUNVDA**

PB501594



Blanking brush gasket for the cable entries between coupled racks

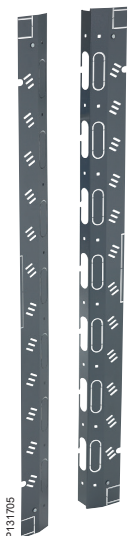
- Blanking plate with brush gasket
- Assembly on the top or bottom frame between two coupled racks, on the cable entry left by the 2 side panels
- Delivered with the fixings required for installation.

Depth (mm)

800

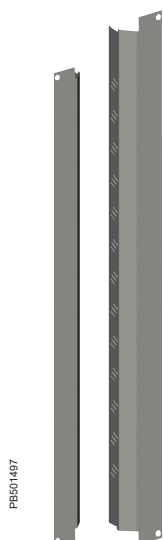
1000

Ref. No**NSYCUNPL800****NSYCUNPL1000**

**Vertical trim strips with cable entries (H2)**

- For enclosures with a width of 800 mm only
- Side cut-outs allowing the entry of cables every 250 mm. Knock-out entries on the front plate every 250 mm
- Assembly on the framework uprights providing aesthetic continuity between the framework and the 19" uprights positioned at least 100 mm away from the door
- RAL 7011 dark grey paint
- Cable-protection strips (not supplied) to be ordered separately
- Dismounting by 1/4-turn screws
- Kit made up of 2 trim strips.

Number of U	Ref. No
24U	NSYPV24
33U	NSYPV33
42U	NSYPV42

**Structure trim strips (H3)**

(Incompatible with Actassi VDS)

- For enclosures with widths of 600 and 800 mm
- Assembly on the framework guarantees aesthetic continuity between the framework and the 19" uprights
- RAL 7011 dark grey paint
- They do not allow the assembly of a door or a panel
- Kit made up of 2 trim strips
- Other sizes, please consult us.

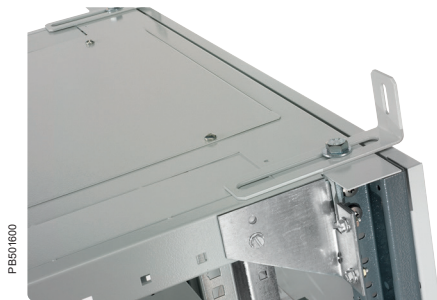
Number of U	Ref. No
	Width 800 mm
42U	NSYAEPF42U8

**Vertical trim strips with cable entries**

(Incompatible with Actassi VDS)

- For enclosures with a width of 800 mm only
- Cut-outs on front panel allowing the entry of cables
- Assembly on the 19" uprights by modifying the position of the 19" upright supports
- RAL 7035 light grey paint
- Cable-protection strips (not supplied) to be ordered separately
- Kit made up of 2 trim strips
- Other sizes, please consult us.

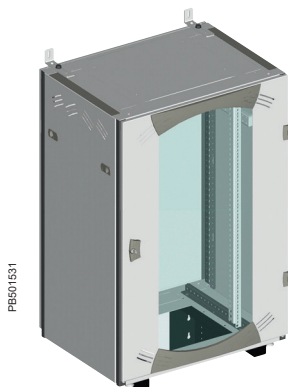
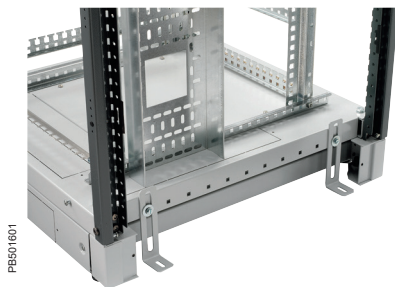
Number of U	Ref. No
42U	NSYTVRN42U

**Fixing kit**

- Allows the rack to be fixed to the floor and/or to the wall
- Delivered with assembly instructions.

Ref. No

NSYCFM

**Wall-mounting kit for Actassi enclosures**

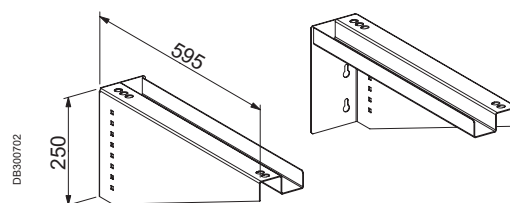
- Allows wall-mounting of racks and enclosures from 6 to 29U, with a depth of 600 mm
- Maximum load inside the rack: 100 kg
- Maximum load inside the enclosure: 50 kg.

Enclosure depth (mm)

600

Ref. No

NSYCFRS



PB501559



Plain roof plate (E1)

- Removable plate made from folded sheet steel, RAL 7035 light grey, epoxy-polyester, textured, powder paint
- Plate delivered assembled on the framework
- Option of installing roof stand-offs (reference **NSYEX206**) and blanking plates.

Ref. No
NSYTSPC450

PB501560



Roof plate with brush gasket (E2)

- Removable plate made from folded sheet steel, RAL 7035 light grey, epoxy-polyester, textured, powder paint, equipped with a brush gasket for cable entry
- Plate delivered assembled on the framework
- Option of installing roof stand-offs (reference **NSYEX206**) and blanking plates.

Dimensions	Ref. No
75 x 400 mm	NSYTSP450

PB500883

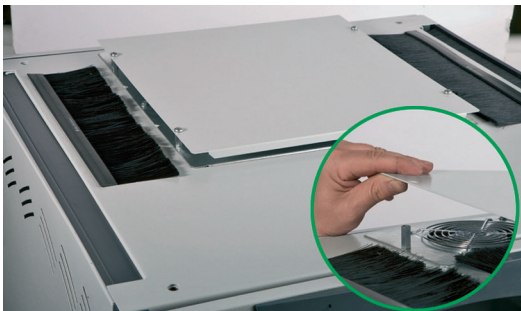


Roof plate elevators for aeration (Q1)

- Direct fixing between the roof and the roof plate
- Stand-offs to be ordered with a minimum of 100 pieces.

Height (mm)	Ref. No
20	NSYEX206

PB501543

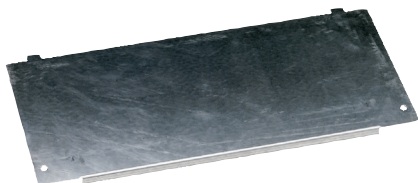


VDA/VDS

EA accessories

Roof and base accessories

PB500684



Plain blanking plate (J1) (K1)

- Fixing on the internal surface of the base or roof
- Can be combined with other types of blanking plates
- Treated sheet steel
- Delivered with the fixings required for installation.

Ref. No

NSYEC440

PB500685



Blanking plate with brush gasket (J2) (K2) (L1)

- Fixing on the internal surface of the base or roof or on a 6U knock-out panel of the reduced rear door
- Can be combined with other types of blanking plates
- Treated sheet steel
- Delivered with the fixings required for installation.

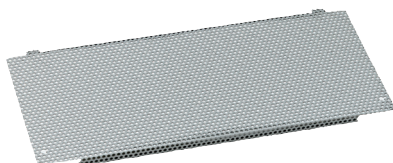
Dimensions (mm)

75 x 400 mm

Ref. No

NSYEC440

PB500686



Blanking plate with ventilation louvres (J5) (K3) (L4)

- Fixing on the internal surface of the base or roof or on a 6U knock-out panel of the reduced rear door
- Can be combined with other types of blanking plates
- Treated sheet steel
- Delivered with the fixings required for installation.

Ref. No

NSYEC440

PB500687



Blanking plates with or without fans

Ø 120 mm (J3) (J4) (L2) (L3)

- Fixing on the internal surface of the base or roof or on a 6U knock-out panel of the reduced rear door
- Equipped with 2 or 3 fans, free flow of 170 m³/h each, 220 V-50/60 Hz, installed wired with terminal board. A 3-m power cord is supplied, installed
- Can be combined with other types of blanking plates
- Treated sheet steel
- Delivered with the fixings required for installation
- Noise level: 34 dB (A)
- 1U front panel with thermostat
- Cannot be used directly with UK PDU.

Dimensions (mm)

3 positions without fan

With 3 fans

2 positions without fan

With 2 fans

Ref. No

NSYECVT3440

NSYECVT3V440

NSYECVT2440

NSYECVT2V440



PB50088

NSYFECVT440

Filter for ventilated blanking plate

- It is fixed on top of the ventilated plates or the plates with ventilation louvres.

Ref. No

NSYFECVT440

Example of possible combinations of blanking plates for network racks

Top frame - Only 2 Blanking Plates		Combination 1	Combination 2	Combination 3	Combination 4
Width	Depth				
600 and 800 mm	600 mm 800 mm 1000 mm				
Bottom frame - 2 or 3 Blanking Plates combinations					
600 and 800 mm	600 mm				
600 and 800 mm	800 mm 1000 mm				

4



PB501530

Brush gaskets for cable entry on the side panels

- Batch of 2 brush gaskets
- Assembly instead of the plastic obturators, at the top or bottom of the side panels
- Cable-entry width: 35 mm.

Depth (mm)	Ref. No
600	NSYECPL600
800	NSYECPL800
1000	NSYECPL1000

Brush gasket for a knock-out area

- Assembly on the knock-out areas for cable entry
- Cable-entry width: 75 mm.

Ref. No

NSYJPSVD



PB501009

VDA/VDS

EA accessories

Roof and base accessories



PB501011

Ventilation plate for a knock-out area

- Fixing to the knock-out areas for cable entry
- 2 fans installed wired with a terminal block, protection grille and 3-m power cord
- Treated sheet steel
- Delivered with the fixings required for installation
- Noise level: 34 dB (A)
- Flow rate of 35 m³/h for each fan
- Cannot be used directly with UK PDU.

Ref. No

NSYVL400



PB501010

Blanking plate for a knock-out area

- Treated sheet steel
- Assembly on the knock-out areas for cable entry.

Ref. No

NSYECS400



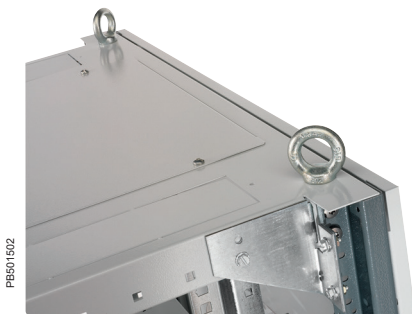
PB501602

Sheet-edge protection strip

- 10-m roll of rubber protection strip.

Ref. No

NSYTPV



PB501502

Hoisting accessories

Lifting eyes

- Batch of 4 lifting eyes
- Fixing to the framework of the rack
- Maximum load: 360 kg for 4 eyes (slinging at 60°)
- Ø M12.

Ref. No

NSYAELYM12VD

VDA/VDS

EA accessories

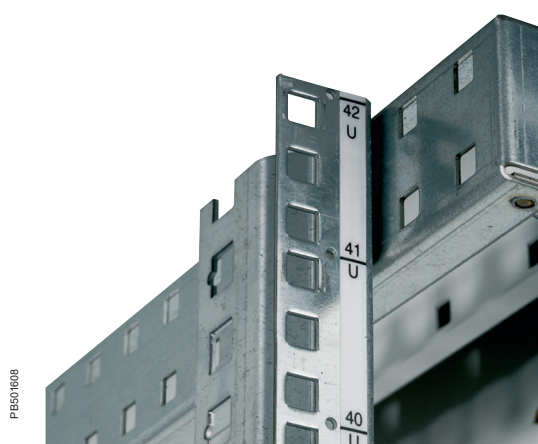
Installation supports



Additional 19" uprights

- Assembly on the depthwise supports
- Depth adjustable in steps of 25 mm
- Kit made up of 2 uprights and the fixings required for assembly
- For partial assembly use depth-support references **NSYSBRF66** to **NSYSBRF88**
- 9.5 mm square holes in the front panel.

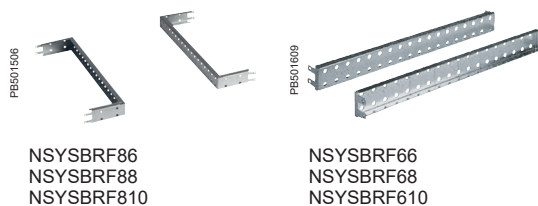
Number of U	Ref. No
12U	NSYBR9F12
21U	NSYBR9F21
24U	NSYBR9F24
29U	NSYBR9F29
33U	NSYBR9F33
38U	NSYBR9F38
42U	NSYBR9F42
47U	NSYBR9F47



Adhesive strip for marking the U

- Batch of 10 self-adhesive strips
- Gluing on the front panel of the 19" upright
- Allows the units to be numbered
- Length: 42U.

Ref. No
NSYENU



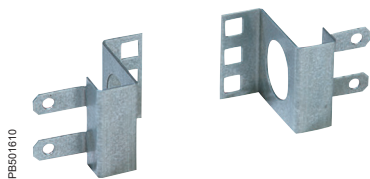
NSYSBRF86
NSYSBRF88
NSYSBRF810

NSYSBRF66
NSYSBRF68
NSYSBRF610

Additional 19" upright supports

- Assembly in intermediate position on the framework to reinforce the rigidity of the 19" rack and/or to support the cables
- Kit made up of 2 supports and the fixings required for assembly.

Rack width (mm)	Rack depth (mm)	Ref. No
600	600	NSYSBRF66
600	800	NSYSBRF68
600	1000	NSYSBRF610
800	600	NSYSBRF86
800	800	NSYSBRF88
800	1000	NSYSBRF810

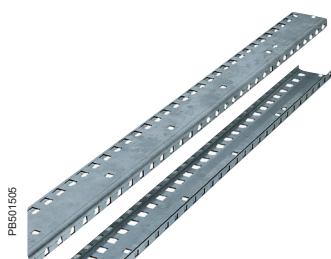


PB501610

Fixed partial 19" uprights

- Height: 2U
- Direct assembly on the framework of the rack, 100 mm back from the front panel
- Treated sheet steel
- Kit made up of 2 uprights and the fixings required for assembly.

Number of U	Ref. No	
	Width 600 mm	Width 800 mm
2	NSYBR9F2U6	NSYBR9F2U8

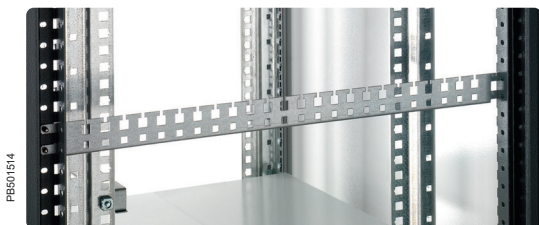


PB501565

Metric uprights

- Direct assembly on the framework, with the help of the metric uprights, instead of the 19" uprights
- Kit made up of 2 uprights and the fixings required for assembly
- Depth adjustable in steps of 25 mm.

Rack height (mm)	Number of U	Ref. No
1800	68	NSYBMF68



PB501514

NSYTVPSP8

Cable-support cross-rails on framework (N)

- Direct assembly on the framework of the enclosure
- Allow cables to be flanged using cable ties
- Treated sheet steel
- Kit made up of 2 cross-rails and the fixings required for assembly.

Width (mm)	Ref. No
600	NSYTVPSL6
800	NSYTVPSL8

Depth (mm)	Ref. No
600	NSYTVPSP6
800	NSYTVPSP8
1000	NSYTVPSP10

PB501446



Standard levelling feet (M1)

- Batch of 4 feet
- Steel feet, height adjustable, from the inside of the rack
- Direct fixing, under the bottom frame or under the plinth of the rack, by M12 screws
- Height: 30 mm.

Ref. No

NSYPNVDA

PB501469



Anti-vibration levelling feet (M2)

- Batch of 4 feet
- Steel feet, height adjustable, with rubber collar for absorbing vibrations
- Direct fixing, under the bottom frame by M12 screws
- Height 80 mm.

Ref. No

NSYPRVDA

PB501501



Handling wheels (M3)

- Batch of 4 swivel castors, 2 of which are equipped with a locking system
- Direct fixing under the bottom frame of the rack by M12 screws
- Height of the castors: 105 mm.

Acceptable load

250 kg/4 castors

Ref. No

NSYRUFVDA

PB501550



Foot-wheels adaptation kit for plinth (M4)

- Kit made up of 4 adaptation parts, 4 castors without brakes, and fixings
- Allows simultaneous assembly of castor reference **NSYRUFVDA** and levelling foot reference **NSYRUFNPVDA**
- Direct assembly on the base of an enclosure equipped with a plinth
- Use the levelling feet installed as standard on the rack
- Material: treated sheet steel.

Ref. No

NSYRUFNPVDA

PB501595



Foot and wheels kit for rack

- Kit made up of 4 castors without brakes and supports for accommodating the positioning feet
- Allows direct assembly on the base of the rack.
- Allows simultaneous assembly of the castors and levelling feet
- Use the levelling feet installed as standard on the rack
- Height of the castors: 105 mm.

Ref. No

NSYRUFNPVDA

PB501500



Plinths (F1)

- Plinth made from folded sheet steel, RAL 7011 dark grey, epoxy-polyester, textured, powder paint
- Plinth height: 100 mm
- Allows the assembly of standard levelling feet compatibles with handling castors reference **NSYRUFNPVDA**
- Option of removing the 4 strips
- Side and rear strips equipped with a knock-out area for cable entry
- Front strip equipped with ventilation louvres.

Width (mm)	Depth (mm)	Ref. No
600	600	NSYZUN66VDA
600	800	NSYZUN68VDA
600	1000	NSYZUN610VDA
800	600	NSYZUN86VDA
800	800	NSYZUN88VDA
800	1000	NSYZUN810VDA

PB501597



NSYZUNA800VDA + NSYZUN88VDA

Anti-tilt accessory (F2)

- It is fixed to a standard plinth, on the front or rear panel
- Two adjustable anti-tilt feet
- Material: folded sheet, RAL 7011 dark grey, epoxy-polyester, textured, powder paint.

Depth (mm)	Ref. No
800	NSYZUNA800VDA
1000	NSYZUNA1000VDA

PB501009



Brush gasket for the cable entries of the plinth

- It is fixed to the knock-out areas for the cable entries
- Delivery by unit.

Entry width (mm) x L	Ref. No
75 x 400	NSYJPSVD

Base accessories

Stand-off plinth for raised floor

- Folded and welded sheet-steel frame, RAL 9005 black, epoxy-polyester, textured, powder paint
- Delivered with feet adjustable from 0 to 60 mm with holes for fixing to the floor
- Can support Actassi VDA, Actassi VDS, Spacial SM and Spacial SF enclosures
- Standard adjustment for heights from 200 mm to a maximum of 300 mm in steps of 25 mm
- Acceptable static load: 1000 kg
- To adjust heights from 335 to 435 mm, use feet reference **NSYAEBP2F4F**.

PB501528



Dimensions (mm)		Ref. No
Width	Depth	
600	800	NSYAEBP2F68
600	1000	NSYAEBP2F610
800	800	NSYAEBP2F88
800	1000	NSYAEBP2F810

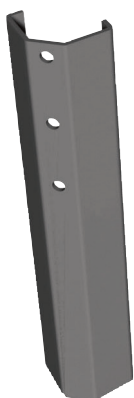
Batch of 4 feet for stand-off plinths

- Folded and welded sheet-steel feet, textured, RAL 9005 black epoxy-polyester powder paint
- They are installed on the stand-off plinths for raised floor, reusing the levelling feet delivered with the plinth
- Acceptable static load: 1000 kg on 4 feet.

Ref. No

NSYAEBP2F4F

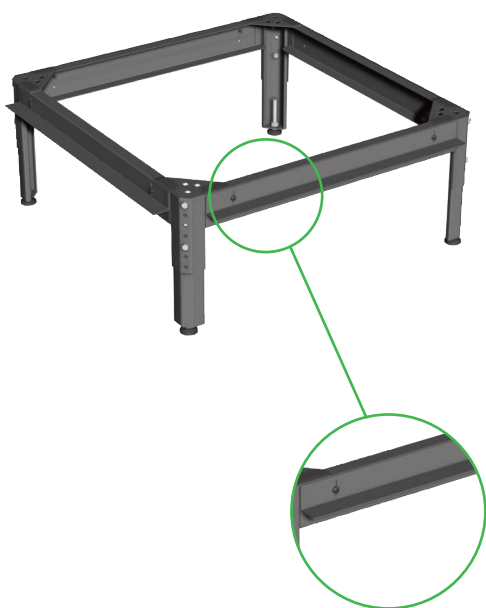
PB501598



Floor-panel support bracket

- Batch of 2 brackets made from folded sheet steel painted RAL 9005 black
- They are installed across the width and/or depth on the stand-off plinth to support the panels of the raised floor
- Height adjustment ± 30 mm.

PB501599



Width or depth (mm)	Ref. No
600	NSYAEBP2FS6
800	NSYAEBP2FS8
1000	NSYAEBP2FS10

Mounting components

Equipment support



Fixings for 19" racks

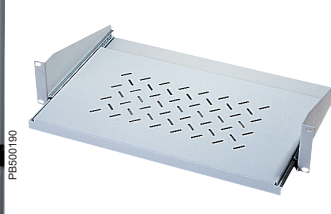
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Fixed 19" trays

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221

Equipment support



Telescopic 19" trays

Page
221

Power-distribution

Current distribution



19" distribution rail with or without protection

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224

Modular distribution



19" front plates for modular circuit breakers

Page
227

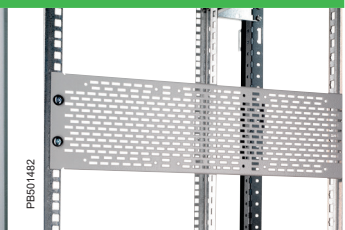
Cable-management plates

19" cover plate



19" cover plates
Painted steel: 1.5 mm

Page
233



19" cover plates with ventilation louvres
Steel 1.5 mm

Page
233

Cable-management

Cable distribution

PB501483



1U or 2U 19" front panels with cable-gland openings

Page
231 - 232

PB501484



1U 19" cable-gland front panels with brush gasket

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231

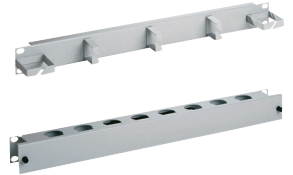
PB501485



1U 19" front panels with insulating guides

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231

PB501487 PB501486



1U 19" front panels with metal guides or with cable ducting

Page
250

Thermal-management

19" thermostats

PB501488



1U front panel with switch and thermostat

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234

PB501489



1U front panel with digital thermostat

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234

PB 101706



Lamp to be fixed on 19"

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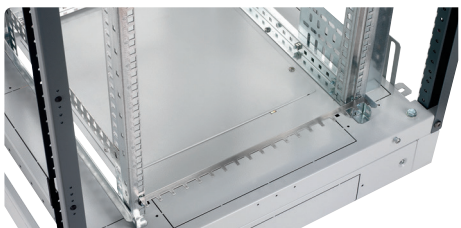
Lighting

PB501504



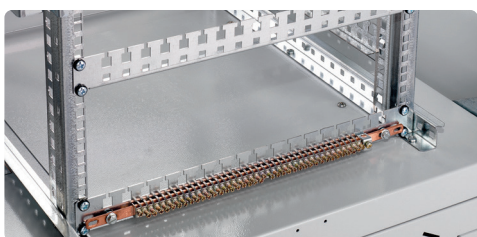
NSYAEECS

PB501642



NSYAEEC1UF

PB501643



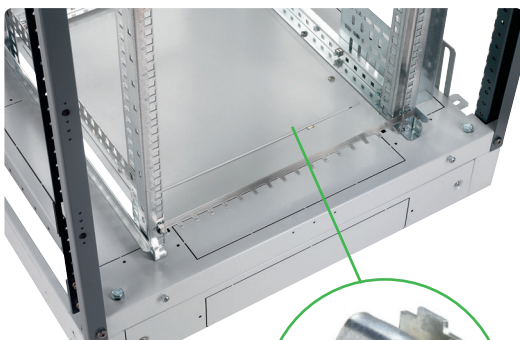
NSYAEEC1UN

Earthing strip (Y)

- Two models available:
 - insulated: 10 x 5 mm brass bar with 40 connection points by screws for lugs (screws not installed)
 - non-insulated: stainless-steel bar ref. **NSYAEEC1UF**, connection by Faston lug 6.5 or by copper bar with caged terminal ref. **NSYAEEC1UN**
- Fixing to the 19" rack or to the framework
- Length: 480 mm
- Delivered with fixings
- Strip reference **NSYAEEC1UN** is equipped with caged terminal blocks.

Insulated	Ref. No
Yes	NSYAEECS
No	NSYAEEC1UF
No	NSYAEEC1UN

PB501642



Earthing claws

- Batch of 100 pieces
- Provides earthing continuity of the front panels and blanking plates.

Note: it is up to the installer to make sure earth continuity and the earth connections are guaranteed.

Ref. No

NSYAEEC100C

PB500217



Earthing kit for Actassi OPB

- To earth all the covering components.

Ref. No

NSYCTOPB

Earthing kit for Actassi VDA / VDS

- Kit for earthing the cladding pieces of the enclosure
- Assembly on all the doors of the enclosure to comply with standard IEC 62208, Section 9.10 regarding the continuity of the protection circuit
- Brass and copper lugs
- Green-yellow PVC insulating sheath.

Note: it is up to the installer to make sure earth continuity and the earth connections are guaranteed.

Ref. No

NSYCTVDA



PB501644

Nuts for 19" uprights

For fixing components to the rear of the 19" uprights.

- Batch of 50 M6 caged nuts
- Bag of M6 caged nuts for 12 mm square holes (holes on the rear of the 19" uprights).

Reference of batch of 50 nuts

NSYGFR12M65



PB500189

Fixings for 19" rack

- They allow 19" accessories to be mounted
- Caged nut compatible with 8.5 x 8.5 mm and 9.5 x 9.5 mm holes.

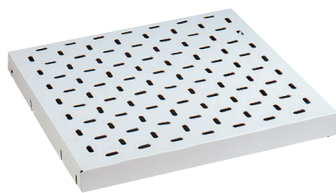
Batch of	Name	Ref. No
30	M6 screws + washers + nuts	NSYGFR95M63
100	M6 caged nuts	NSYCN9M625
50	M6 screws + washers + nuts	NSYGFR95M65
50	M5 screws + washers + nuts	NSYGFR95M55

Universal accessories

Shelves

(compatible only with floor standing enclosures)

PB501507



PB501640



Fixed perforated and plain 19" trays, 1U

- Fixing by attachment without tools between the front and rear 19" uprights
- Sheet steel, RAL 7035 or RAL 7016 grey paint
- Acceptable load: 100 kg
- Option of installing a handle reference **NSYASR3U** on the front panel and a guide reference **NSYGCA46** on the rear panel (page 228).

Rack depth (mm)	Fixing centre-to-centre distance (mm)	References of RAL 7035 perforated 19" trays	References of RAL 7035 plain 19" trays
600-800-1000	258 (1)	NSYBBF1U40P	NSYBBF1U40
800-1000	458 (1)	NSYBBF1U60P	NSYBBF1U60
1000	658 (1)	NSYBBF1U80P	NSYBBF1U80

Rack depth (mm)	Fixing centre-to-centre distance (mm)	References of RAL 7016 perforated 19" trays
600-800-1000	258 (1)	NSYBBF1U40PG
800-1000	458 (1)	NSYBBF1U60PG
1000	658 (1)	NSYBBF1U80PG

(1) -100 ...+50 mm, adjustable in steps of 25 mm.

PB501508



PB501641



Telescopic perforated and plain 19" trays, 1U

- Fixing by attachment without tools between the front and rear 19" uprights
- Fixing on the telescopic slides supplied
- Sheet steel, RAL 7035 or RAL 7016 grey paint
- Acceptable load: 45 kg
- Option of installing a handle reference **NSYASR3U** on the front panel and a guide reference **NSYGCA46** on the rear panel (page 228).

Rack depth (mm)	Fixing centre-to-centre distance (mm)	Mounting on slides (1)	References of RAL 7035 perforated 19" trays	References of RAL 7035 plain 19" trays
600-800-1000	258 (2)	NSYGT40	NSYBBT1U40P	NSYBBT1U40
800-1000	458 (2)	NSYGT60	NSYBBT1U60P	NSYBBT1U60
1000	658 (2)	NSYGT80	NSYBBT1U80P	NSYBBT1U80

Rack depth (mm)	Fixing centre-to-centre distance (mm)	Mounting on slides (1)	References of RAL 7016 perforated 19" trays
600-800-1000	258 (1)	NSYGT40	NSYBBT1U40PG
800-1000	458 (1)	NSYGT60	NSYBBT1U60PG
1000	658 (1)	NSYGT80	NSYBBT1U80PG

(1) Slides delivered with the tray.

(2) -100 ...+50 mm, adjustable in steps of 50 mm.

PB501645



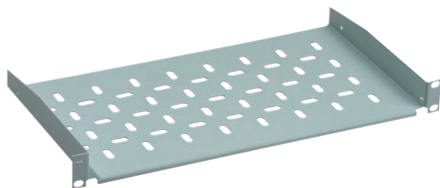
Handle for telescopic 19" tray

- Plastic material, RAL 7011 dark grey
- Delivered with fixings.

Ref. No

NSYASR3U

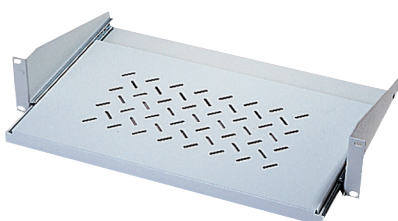
PB501646

**1U fixed 19" tray**

- Fixing to the front or rear uprights of the 19" rack
- Heel of 5 mm
- Sheet steel, RAL 7035 or RAL 7016 grey paint
- Acceptable load: 1U 15 kg - 2U 20 kg.

Number of U	Depth (mm)	Load (kg)	Ref. No RAL 7035	Ref. No RAL 7016
2U	250	20	NSYBF2U25P	NSYBF2U25PG
2U	380	20	NSYBF2U40P	NSYBF2U40PG
1U	250	15	NSYBF1U25P	-

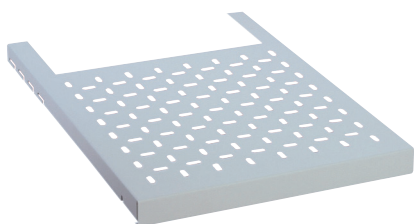
PB500180

**2U telescopic 19" tray**

- Fixing to the front uprights of the 19" rack
- Sheet steel, RAL 7035 or RAL 7016 grey paint
- Acceptable load: 5 kg
- Delivered with the telescopic slides assembled
- Heel of 5 mm.

Number of U	Depth (mm)	Load (kg)	Ref. No RAL 7035	Ref. No RAL 7016
2U	250	5	NSYBT2U25P	NSYBT2U25PG

PB501647

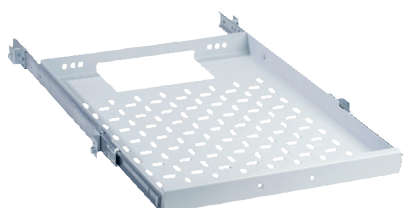
**19" screen-support tray**

(Compatible only with floor standing enclosures)

- Fixing by attachment without tools between the front and rear 19" uprights
- Sheet steel, RAL 7035 light grey paint
- Delivered with all the necessary fixings
- Acceptable load: 45 kg.

Rack depth (mm)	Ref. No
800-1000	NSYBSM80
1000	NSYBSM100

PB501648

**19" keyboard-support tray**

(Compatible only with floor standing enclosures)

- Sheet steel, RAL 7035 light grey paint
- Delivered with all the necessary fixings
- Acceptable load: 45 kg
- Fixing by attachment without tools between the front and rear 19" uprights
- Fixing on the telescopic slides supplied
- Optional installation of handle reference **NSYASR3U**.

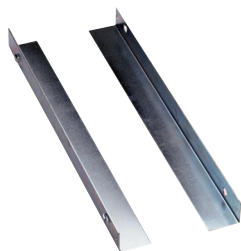
Rack depth (mm)	Ref. No
800-1000	NSYBST80
1000	NSYBST100

Universal accessories

Shelves

(compatible only with floor standing enclosures)

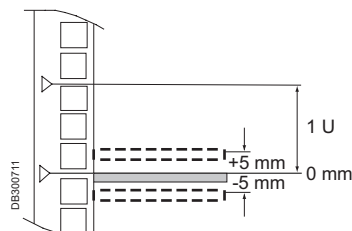
PB501510



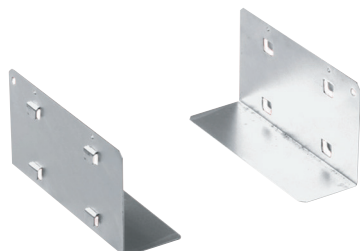
Fixed 19" slides

- Batch of 2 slides for the 19" hardware
- Material: treated steel
- Acceptable load: 60 kg
- Heel 0 mm: fixing by attachment between the front and rear 19" uprights
- Heel ± 5 mm: fixing by screws between the front and rear 19" uprights; supplied with the slides.

Rack depth (mm)	Distance between the front and rear uprights	Fixing centre-to-centre distance (mm)	Reference heel height: 0 mm	Reference heel height: ± 5 mm
600-800-1000	350	258	NSYGF356	NSYGF356H5
800-1000	450	358	NSYGF456	-
800-1000	550	458	NSYGF556	NSYGF556H5
1000	650	558	NSYGF656	-
1000	750	658	NSYGF756	NSYGF756H5



PB501511

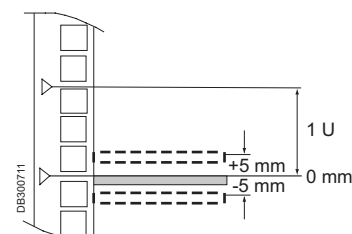
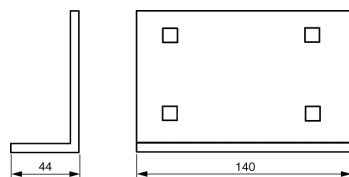


2U partial fixed 19" slides

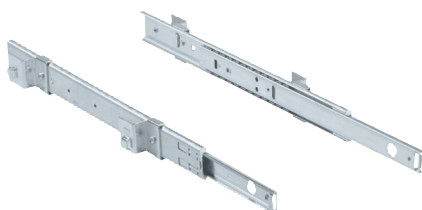
- Batch of 2 slides
- Fixing by attachment on the front or rear 19" uprights
- Material: treated steel
- Acceptable load: 30 kg.

Number of U	Heel height (mm)	Ref. No
2U	± 5	NSYGB140H5

DB300712



PB501660



Full telescopic 19" slides

- Batch of 2 slides, for plain or perforated tray, guaranteeing a full pull-out
- Fixing between the front and rear 19" uprights
- Delivered with fixing accessories.

Rack depth (mm)	Fixing centre-to-centre distance (mm)	Ref. No
600-800-1000	258 (1)	NSYGT40
800-1000	458 (1)	NSYGT60

(1) -100 ...+50 mm, adjustable in steps of 50 mm.



PB501652

Rear cable support

- Fixing of cables through an opening without effort
- Direct fixing to the framework and the rear part of the tray.

Ref. No

NSYBTSCS



PB501653

Universal fixing plate

- Fixing to the 19" uprights or to the framework uprights for mounting accessories
- Delivery by unit.

Ref. No

NSYEUV

Universal accessories

Electrical power distribution rails

PDU'S

UTE - 16 A/230 V~ with pin-earthed outlets

- Sockets set at 35° with child protection
- Aluminium profile silver - height 1U
- Material: fibreglass polyamide plastic with fire resistance to 850°C
- Equipped with power cord (3G 1.5 mm²) type H05 VVF, equipped with a mould right angle plug with earthing contact system
- According to NF C 61314, IEC 60884 and NBNC61112-1 standards
- Could be used in: France, Belgium, Poland, Monaco, Slovakia, Czech Republic.

Number of sockets	Width (mm)	Depth (mm)	Type	UTE
19" Adapted				
9 sockets outlets	19"	44	A	NSYAPU19F9
8 sockets outlets with recessed green led switch	19"	44	B	NSYAPU19F8S
6 sockets outlets with Overvoltage protection 16 A	19"	76	C	NSYAPU19F6CB
7 sockets outlets with Overvoltage protection 16 A + frequency filters	19"	44	D	NSYAPU19F7FA
Vertical – 0U				
10 sockets outlets with recessed green led switch (D. 968 mm)	968	44	B	NSYAPUF10S
12 sockets outlets with Overvoltage protection 16 A (D. 1232 mm)	1232	76	C	NSYAPUF12CB



- A: rail of sockets without protection
- B: rail of sockets with recessed green LED switch
- C: rail of sockets with bi-polar magnetothermal circuit-breaker C16 type C60N 16 A curve C
- D: suppression filter for interferences of up to 30 MHz, guaranteed frequency 400 Hz, attenuation 20 dB per decade.

Universal accessories

Electrical power distribution rails

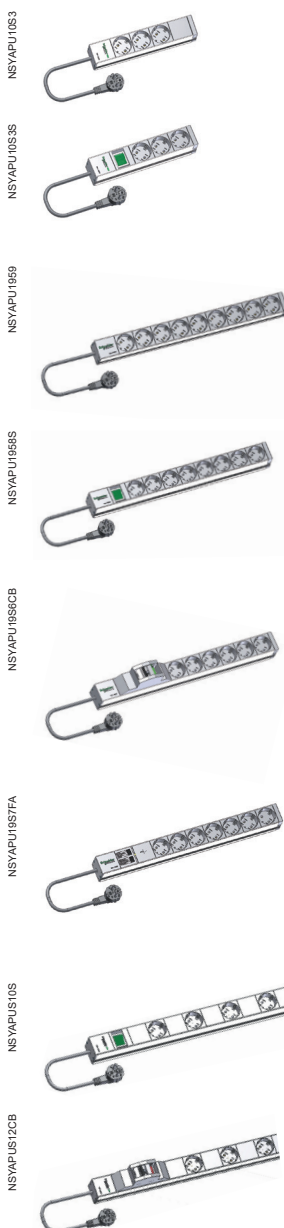
PDU'S

VDE - 16 A / 230 V~ with side-earthed outlets

- Sockets set at 35° with child protection
- Aluminium profile silver - height 1U
- Material: fibreglass polyamide plastic with fire resistance to 850°C
- Equipped with power cord (3G 1.5 mm²) type H05 VVF, equipped with a mould right angle plug with earthing contact system
- According to DIN49 440, VDE0620-1, IEC 60884 and UNE20315 standards
- Could be used in: Germany, Austria, Netherlands, Italy (partial), Spain, Portugal, Sweden, Norway, Finland, Slovenia, Romania, Hungary, Afghanistan, Andorra, Vatican City, San Marino, Estonia, South Korea, Indonesia, Iceland, Chile, Bulgaria.

Number of sockets	Width (mm)	Depth (mm)	Type	VDE
10" Adapted				
3 sockets outlets	10"	44	A	NSYAPU10S3
3 sockets outlets with recessed green led switch	10"	44	B	NSYAPU10S3S
19" Adapted				
9 sockets outlets	19"	44	A	NSYAPU19S9
8 sockets outlets with recessed green led switch	19"	44	B	NSYAPU19S8S
6 sockets outlets with Overvoltage protection 16 A	19"	76	C	NSYAPU19S6CB
7 sockets outlets with Overvoltage protection 16 A + frequency filters	19"	44	D	NSYAPU19S7FA
Vertical				
10 sockets outlets with recessed green led switch (D. 968 mm)	968	44	B	NSYAPUS10S
12 sockets outlets with Overvoltage protection 16 A (D. 1232 mm)	1232	76	C	NSYAPUS12CB

- A: rail of sockets without protection
- B: rail of sockets with recessed green LED switch
- C: rail of sockets with bi-polar magnetothermal circuit-breaker C16 type C60N 16 A curve C
- D: suppression filter for interferences of up to 30 MHz, guaranteed frequency 400 Hz, attenuation 20 dB per decade.



Universal accessories

Electrical power distribution rails

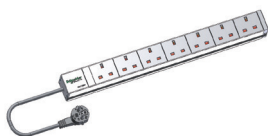
PDU'S

UK - 13 A/240 V~ with BS standard outlets

- Sockets set at 90° with child protection
- Aluminium profile silver - height 1U
- Material: fibreglass polyamide plastic with fire resistance to 850°C
- Equipped with power cord (3G 1.5 mm²) type H05 VVF, equipped with a mould right angle plug with earthing contact system.

Number of sockets	Width (mm)	Depth (mm)	Type	UTE
19" Adapted				
7 sockets outlets	19"	44	A	NSYAPU19UK7

NSYAPU19UK7



Fixing brackets

- For vertical assembly of distribution rails
- Batch of 2 brackets, adaptable to all rails, delivered with fixings
- Material: treated steel, thickness 10/10 mm
- Fixing to the ends of the rail: reference
- Fixing with an orientation of 90°: reference **NSYAPUB**.

Fixing	Ref. No
End of the rail	NSYAPUBV
Orientation of 90°	NSYAPUB

PB500984



NSYAPUB

PB500985



NSYAPUBV



NSYCRTMR3UD

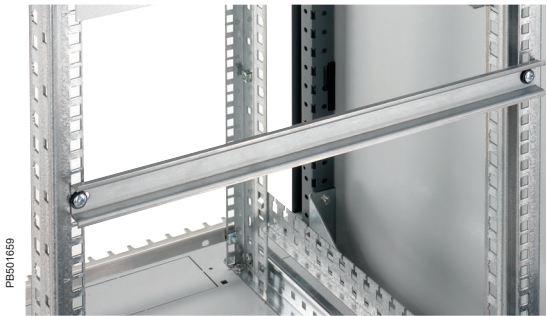
19" front plate for modular circuit-breakers

- Front plates for mounting 22 18 mm modules
- Fixing to the 19" rack
- Delivered with steel DIN rail
- Front panel made from sheet steel, 15/10 mm thick, RAL 7035 or RAL 7016 grey paint
- Front panel made from 3 mm anodised aluminium.



NSYCRTA4UD

Number of U	References	
	RAL 7035 steel front panel	RAL 7016 steel front panel
3U	NSYCRTM3UD	NSYCRTM3UDG
4U	-	-



19" DIN rail

- DIN rail for fixing on the front surface of the 19" uprights
- Delivery by unit.

Ref. No
NSYR19DN

**Side cable-support cross-rails on 19" uprights**

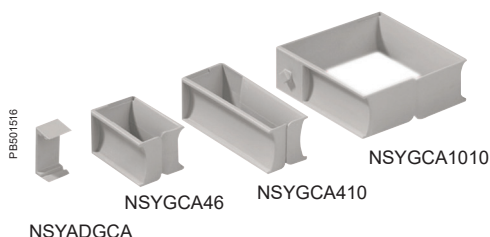
- For mounting between the front and rear 19" uprights
- Allow cables to be flanged using cable ties
- Batch of 2 pieces.

Rack depth (mm)	Distance between the front and rear 19" uprights (mm)	Fixing centre-to-centre distance (mm)	Ref. No
600-800-1000	350	258	NSYTVP356
600-800	550	458	NSYTVP556
800-1000	750	658	NSYTVP756

**Rear cable-support cross-rails on fixed 19"**

- Mounting on the rear of the 19" uprights of the rack
- Allow cables to be fixed and guided at the rear of the circulation panels
- Delivered with the fixings required for installation.

Ref. No
NSYTVAR

**Guides (X)**

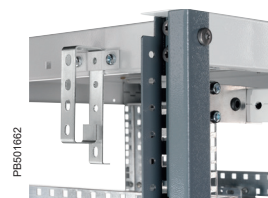
- Mounting on:
 - The 19" uprights (laterally)
 - All the cable-support cross-rails
 - At the rear of the 19" shelves
 - on the framework uprights, with the help of intermediate support reference **NSYADGCA**
- Material: plastic, RAL 7035 light grey
- Guides and supports: batch of 10.

Dimensions (mm)	Ref. No
40 x 60	NSYGCA46
40 x 100	NSYGCA410
100 x 100	NSYGCA1010

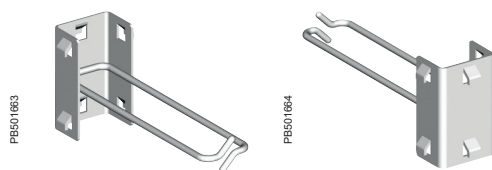
Reference of the intermediate support
NSYADGCA

**Metal guides**

- Delivered with the mounting elements (screw, nut)
- Installation on the 19" rack, laterally on the framework uprights inside the rack
- Batch of 10 pieces.

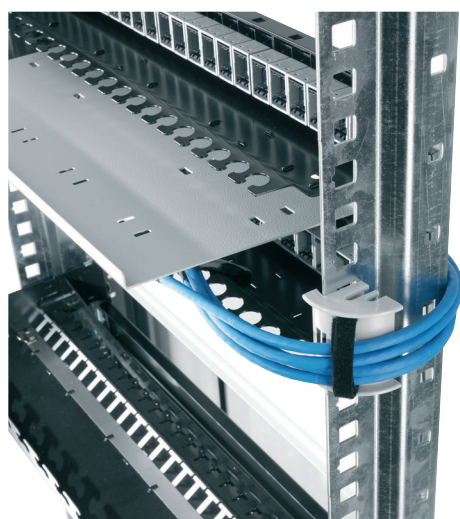


Description	Ref. No
100 x 100 guide	NSYGC1010
40 x 100 guide	NSYGC410

**Wired guides**

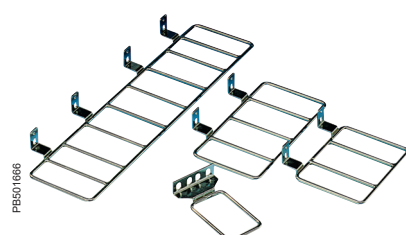
- Batch of 10 wired guides
- Side mounting on the 19" uprights
- Material: treated steel.

Dimensions (mm)	Ref. No
24 x 130	NSYGCH213

**Cable guide**

- Protects and guides the cables on the sheet edges
- Batch of 10 plastic guiding flanges
- Fixed by simply clipping onto the sheet edge.

Ref. No
NSYGCP

**19" vertical cable guides**

- Fixing on the 19" uprights
- Material: nickel steel
- Delivery by unit.

Number of U	Depth (mm)	Ref. No
1.5U	120	NSYGC1US19



PB501660

NSYACC2N

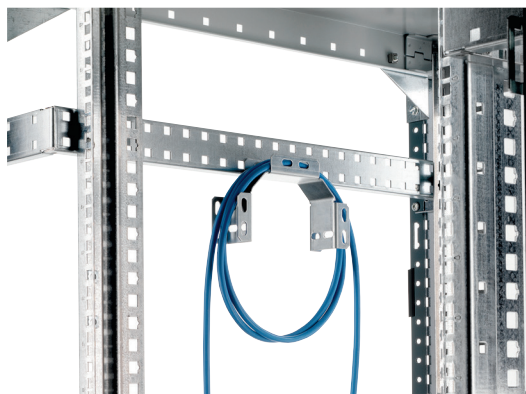
Self-grip strips

- For holding the cables on the supports
- Models available in 3 shapes:
 - cable tie 13 mm wide, 225 mm long; batch of 10 pieces
 - strap in a roll 16 mm wide and 5 metres long, black colour
 - adhesive cable strap, 50 x 20 mm, black colour, in a batch of 10 pieces.

Colour	Reference of 225 mm strips
Black	NSYACC2N

Colour	Reference of 5 m strips
Black	NSYACC50N

Colour	Reference of adhesive strap
Black	NSYACCA



PB501667

Support for the management of cable surplus

- Used for winding cable surplus
- Delivered with the fixings required for installation.

Ref. No
NSYACGCS

PB501486



NSYCRTM1U32B

1U 19" front panels with metal guides

- Channels the cables over the front panel of the rack
- Fixing to the 19" rack
- Sheet steel, RAL 7035 or RAL 7016 grey paint.

Number of guides		RAL 7035 cable-guide reference	RAL 7016 cable-guide reference
Vert.	Horiz.		
4	0	NSYCRTM1U40B	NSYCRTM1U40BG
3	2	NSYCRTM1U32B	-

PB501483



1U 19" front panel with cable-gland openings

- Fixing on the 19" uprights
- Openings protected by a gasket
- Sheet steel, RAL 7035 or RAL 7016 grey paint.

RAL 7035 reference	RAL 7016 reference
NSYCRTM1U2	NSYCRTM1U2G

PB501688

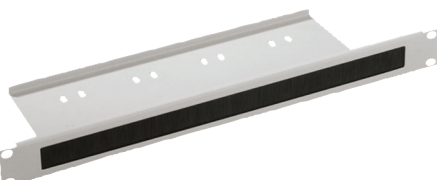


1U 19" front panel with openings and cable support

- Fixing on the 19" uprights
- Openings protected by a gasket
- Performs the duty of a cable tray
- Sheet steel, RAL 7035 light grey paint.

Ref. No
NSYCRTM1UA2

PB501484



NSYCRTM1U1P

1U 19" front panels with cable-gland and brush gasket

- Fixing on the 19" uprights
- Sheet steel, RAL 7035 or RAL 7016 paint
- 150 mm cable support.

Type	RAL 7035 reference	RAL 7016 reference
With cable support at the rear	NSYCRTM1U1P	NSYCRTM1U1PG
Without cable support at the rear	NSYCRTM1U1PS	-

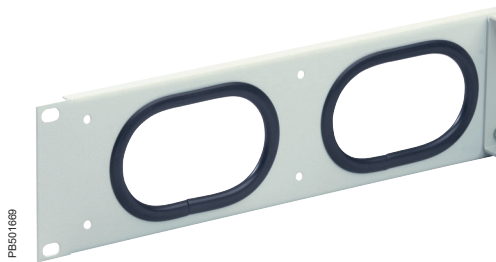
PB501485



1U 19" front panel with insulating guides

- Channels the cables over the front panel of the rack
- Fixing on the 19" uprights
- Steel front panel, RAL 7035 light grey paint
- Equipped with 5 guides (reference **NSYGCA46**) in horizontal, vertical and 45° positions.

Ref. No
NSYCRTM1U5GCA



PB501669

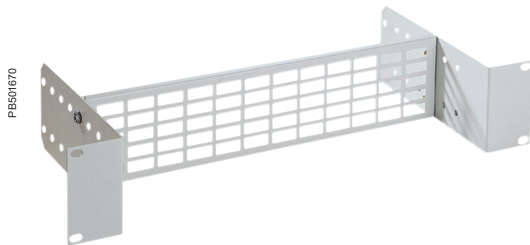
NSYCRTM2U3

2U 19" front panel with cable-gland openings

- Fixing to the 19" rack
- Openings protected by a gasket
- Sheet steel, RAL 7035 light grey paint.

Ref. No

NSYCRTM2U3



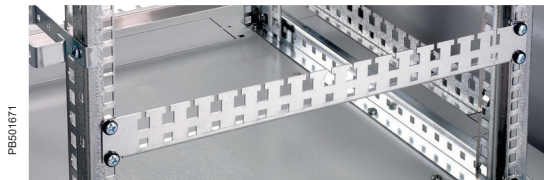
PB501670

2U depth-adjustable 19" support

- Fixing on the 19" uprights
- Depth-adjustable from 50 to 200 mm; it allows the installation of non-19" devices or the fixing of cables, ducting, etc.
- Sheet steel, RAL 7035 light grey paint
- Delivered with assembly fixings.

Ref. No

NSYCRTM2US



PB501671

Frontal 19" cable-support cross-rails

- For frontal assembly on the 19" uprights
- Allow cables to be flanged using cable ties
- Batch of 2 pieces.

Ref. No

NSYTVA

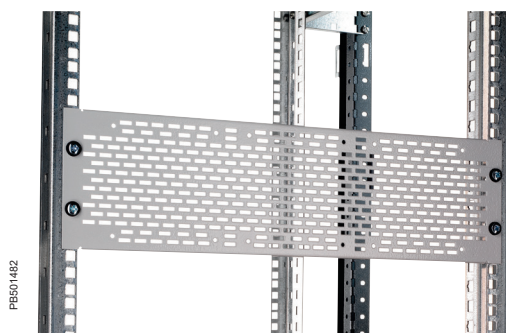


Sheet steel.

Plain 19" front panel

- Fixing to the 19" rack
- Front panel made from sheet steel, 15/10 mm thick, RAL 7035 or RAL 7016 grey paint
- Front panel made from 3 or 4 mm anodised aluminium
- Fixing by screws reference **NSYGFR95M65**
- Earthing claws reference **NSYAEEC100C**.

Number of U	References	
	RAL 7035 steel front panel	RAL 7016 steel front panel
1U	NSYCRTM1U	NSYCRTM1UG
2U	NSYCRTM2U	NSYCRTM2UG
3U	NSYCRTM3U	NSYCRTM3UG
4U	NSYCRTM4U	-
5U	NSYCRTM5U	-
6U	NSYCRTM6U	-
9U	NSYCRTM9U	-
10U	NSYCRTM10U	-
12U	NSYCRTM12U	-



Front panel with ventilation louvres

- Direct fixing to the 19" rack
- Sheet steel, 15/10 mm thick, RAL 7035 light grey paint
- Allow the entry of air for natural ventilation of the installations
- Option of installing reference **NSYCRTMR3U** with 3 fans reference: **NSYCVF65M230PF** as accessories
- Fixing by screws reference **NSYGFR95M65**
- Earthing claws reference **NSYAEEC100C**.

Number of U	Ref. No
1U	NSYCRTMR1U
3U	NSYCRTMR3U



1U 19" front panel with ventilation switch and thermostat

- Direct fixing to the 19" rack
- Switch ON/OFF with LED
- Thermostat contact open, operating temperature -20°C ... +80°C, temperature setting range 0 ... +60°C, In 10 A/250 V
- Front panel made from RAL 7035 or RAL 7016 sheet.

Ref. No RAL 7035	Ref. No RAL 7016
NSYCRTM1UVT	NSYCRTM1UVTG



1U 19" front panel with digital thermostat

- Direct fixing to the 19" rack
- Thermostat 0 ... +60°C, In 5 A/250 V
- Front panel made from RAL 7035 sheet
- Delivery with thermal sensor with 2 m of cable.

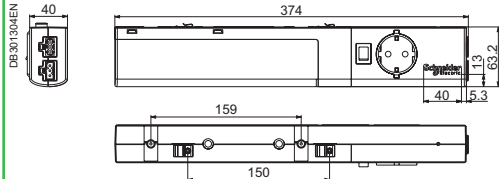
Ref. No
NSYCRTM1UVTG

New

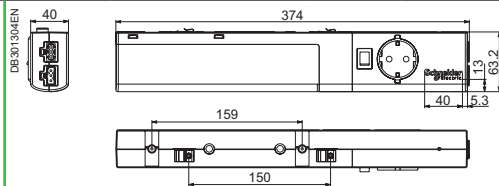
PB503389-43



Characteristics	Multi-Fixing LED Lamps							
	This LED lamps are designed to optimise the life time, consumption, space and accessibility inside the enclosure, as well as having three fixing option as standard.							
Colour	Black RAL 9005							
Ingress protection rating	IP20 according to IEC60529							
Standards	■ IEC 60598 ■ UL 94: for plastic components ■ UL508A: Control Panel				■ UL1598: Lamps ■ UL8750: LED for lighting ■ EN55015: EMC			
Other characteristics	■ Built-in switch ■ Power consumption: 10 W ■ Frequency: 50/60 Hz ■ Power factor: □ V AC lamps: 0,9 □ V DC lamps: 1 ■ Luminosity: 640 lm* ■ Light Temperature: 4000 K* ■ LED service life: 25000 h*				■ Casing: Plastic UL94 V-0 ■ Degree of insulation: □ Class I - Lamps with socket □ Class II - Lamps without socket ■ Compliant with RoHS and Reach ■ Ambiance temperature: □ Operating: -16°C to +65°C (-3°F to +149°F) □ Storage: -10°C to +60°C (-14°F to +140°F) ■ Max. 2 Apms and 5 lamps in serial connection			
Connections	■ 3 m power black or orange cable with quick connector (Not supplied. See reference below) ■ 1.5 m interconnection black or orange cable with quick connectors (Not supplied. See reference below) According to the directive IEC 60204-1: ■ Black cables: power circuits for switch or DC voltage. ■ Orange cables: external voltage that may be present even if the cabinet is turned off.							
Supply	1 lamp and fixing elements							
	Lamps			Cables				
Lamp model	Socket		References	Standard	Black cables		Orange cables	
					Power (3 m)	Interconnection (1.5 m)	Power (3 m)	Interconnection (1.5 m)
With socket 120 / 230 V AC	SCHUKO		NSYLAMLDS	IEC	NSYLAM3M	NSYLAM1M	NSYLAM3MN	NSYLAM1MN
	UTE		NSYLAMLDF		NSYLAM3M	NSYLAM1M	NSYLAM3MN	NSYLAM1MN
	British		NSYLAMLDB		NSYLAM3M	NSYLAM1M	NSYLAM3MN	NSYLAM1MN
	USA		NSYLAMLDU	UL	NSYLAM3MUL	NSYLAM1MUL	NSYLAM3MULN	NSYLAM1MULN
Without socket 120 / 230 V AC	-	-	NSYLAMLD	IEC	NSYLAM3M	NSYLAM1M	NSYLAM3MN	NSYLAM1MN
				UL	NSYLAM3MUL	NSYLAM1MUL	NSYLAM3MULN	NSYLAM1MULN
Without socket With presence detection 230 V AC	-	-	NSYLAMLDD	IEC	NSYLAM3M	NSYLAM1M	NSYLAM3MN	NSYLAM1MN
				UL	NSYLAM3MUL	NSYLAM1MUL	NSYLAM3MULN	NSYLAM1MULN
Without socket - DC 24-48 V DC	-	-	NSYLAMLDVDC	IEC	NSYLAM3MDC	-	-	-
				UL	NSYLAM3MDCUL	-	-	-



* Approximate values.



PB501714-55



Rack for VDI

- 1 U, 19" rack. For lamp installation in VDI enclosures.
- **Supply:** supplied with fixing elements.

Reference

NSYLAM1U



Fixing options

PB503409-34



Fixing by sliding brackets.

PB500411-34



Fixing to DIN rail.

PB503410-34



Magnetic fixing.

The customised offer

Do you want to have other enclosures than standard? No problem. With Actassi enclosures it's possible to customize colour, accessories, specific lining etc according to your personal needs.

Two levels of customisation

At Schneider Electric we have developed two levels of customised services based on more than 50 years of experience in the market:

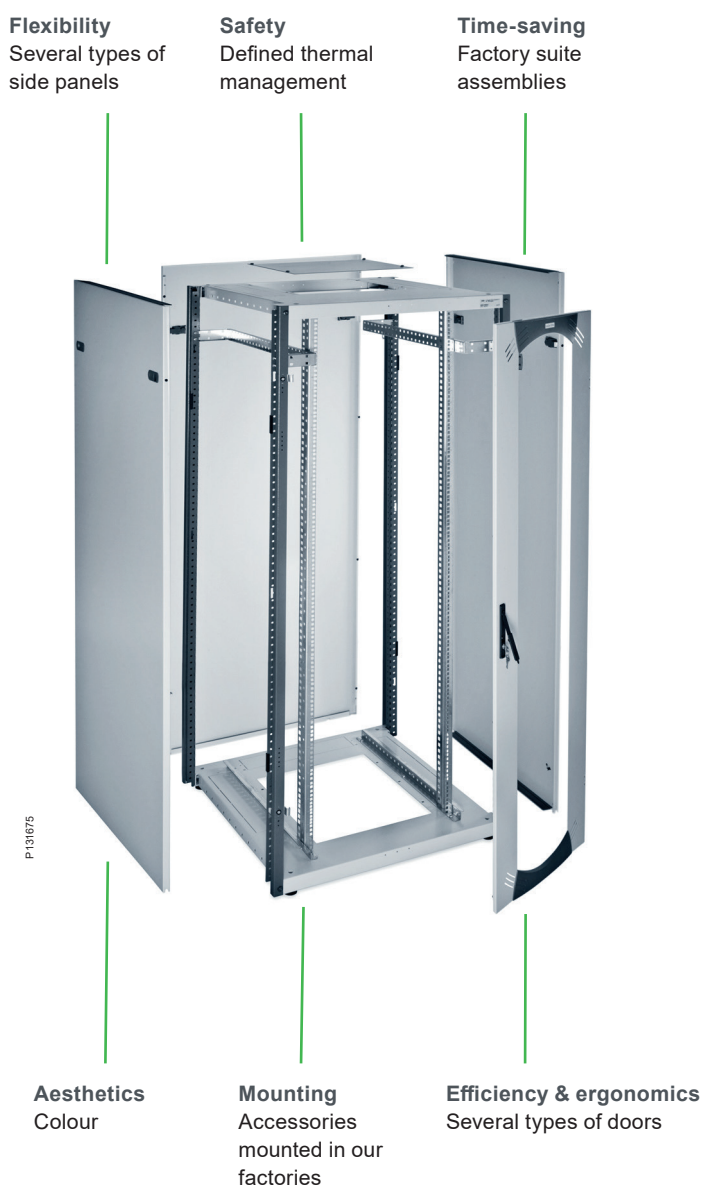
- > Configured offer (standard, modified)
- > Specific offer (custom-built enclosures).



We perform machining, mounting of accessories and painting.



We manufacture customised solutions with our industrial tools. Example: cut-outs made before painting.



Examples of customised solutions



Configured offer



Make your own definition based on our standard claddings.

Example: Actassi VDA enclosure in RAL 9011

Equipped with:

- Double Front door with two-points locking system. Airflow above 80 %
- Double Rear door with two-points locking system. Airflow above 80 %
- Two side-doors with locks
- Roof equipped with 6 fans and 1 brush-entry cables



Specific offer



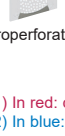
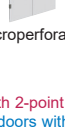
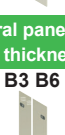
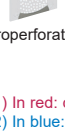
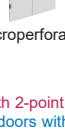
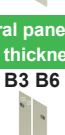
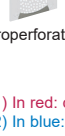
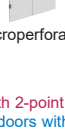
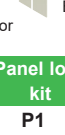
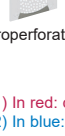
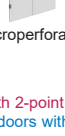
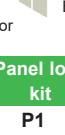
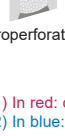
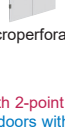
Built exactly according to your needs

Concerned Actassi VDA-VDS enclosure

Specify yours needs on VDA-VDS enclosures or spare parts.

This enclosure is delivered equipped, machined and ready to use.

Definition example

Number of	Size guide		Rack elements				
	Width (mm)	Depth (mm)	Framework	Side panels	Front door		
					Single (1)	Double (2)	Single door (1)
24	600	600	 PB501547 With cut-out entries	 PB501548 With louvres / Without louvres	 Plain	 Plain	 Plain
		800			 Glazed	 Glazed	 Glazed
		1000			 Microperforated	 Microperforated	 Microperforated
29	600	600	 PB501547 Without cut-out entries	 PB501548 With louvres / Without louvres	 Glazed	 Glazed	 Glazed
		800			 Microperforated	 Microperforated	 Microperforated
		1000			 Microperforated	 Microperforated	 Microperforated
33	600	600	 PB501547 With cut-out entries on the top frame, rigidity of 500 kg	 PB501548 With louvres / Without louvres	 Glazed	 Glazed	 Glazed
		800			 Microperforated	 Microperforated	 Microperforated
		1000			 Microperforated	 Microperforated	 Microperforated
38	600	600	 PB501547 With cut-out entries on the top frame, rigidity of 500 kg	 PB501548 With louvres / Without louvres	 Glazed	 Glazed	 Glazed
		800			 Microperforated	 Microperforated	 Microperforated
		1000			 Microperforated	 Microperforated	 Microperforated
42	600	600	 PB501547 Without cut-out entries on the top frame, rigidity of 500 kg	 PB501548 With louvres / Without louvres	 Glazed	 Glazed	 Glazed
		800			 Microperforated	 Microperforated	 Microperforated
		1000			 Microperforated	 Microperforated	 Microperforated
47	600	600	 PB501547 Without cut-out entries on the top frame, rigidity of 500 kg	 PB501548 With louvres / Without louvres	 Glazed	 Glazed	 Glazed
		800			 Microperforated	 Microperforated	 Microperforated
		1000			 Microperforated	 Microperforated	 Microperforated

Simplified order

Tick here to show whether this is an order or a price request (estimate).

Please specify the reference number of your request.

Easy
Please specify the dimensions of the required rack.

S T	
1	RAL 7035
2	RAL 5015
3	RAL 3003
4	RAL 9001
5	RAL 7011
6	RAL 1021
7	RAL 9011
Other colours, consult us	

☐ Order ☒ Estimate

Your ref.

Configure your rack

Number of identical racks required

No.	U	Width	Depth	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z
29	600	800						2		1		1	3	2								5	6				

Company Name
 Address Telephone
 Postcode - Town Fax
 Photocopy this form and fax it to your sales office E-mail

Smart

If your order is only for spare parts, please use the configuration sheet on page XX.

Please specify the reference of the chosen element.
 Example: E2 is a roof plate with brush gasket.

Choice

Your choice of colours.
 Example: grey uprights and yellow cladding.

Rack elements							
Rear		Rear panel	Roof plate	Plinth	19" upright	Escutcheon	Top blanking plate
	Double door (2)						
</							

Non-mounted accessories description

	Ref. No	Amount
1U 19" front plate	NSYCRTM1U32B	2
5U front panel	NSYCRTM5U	1
1U fixed shelf	NSYBBF1U40	2
2U adjustable support	NSYCRTM2US	1

Smart

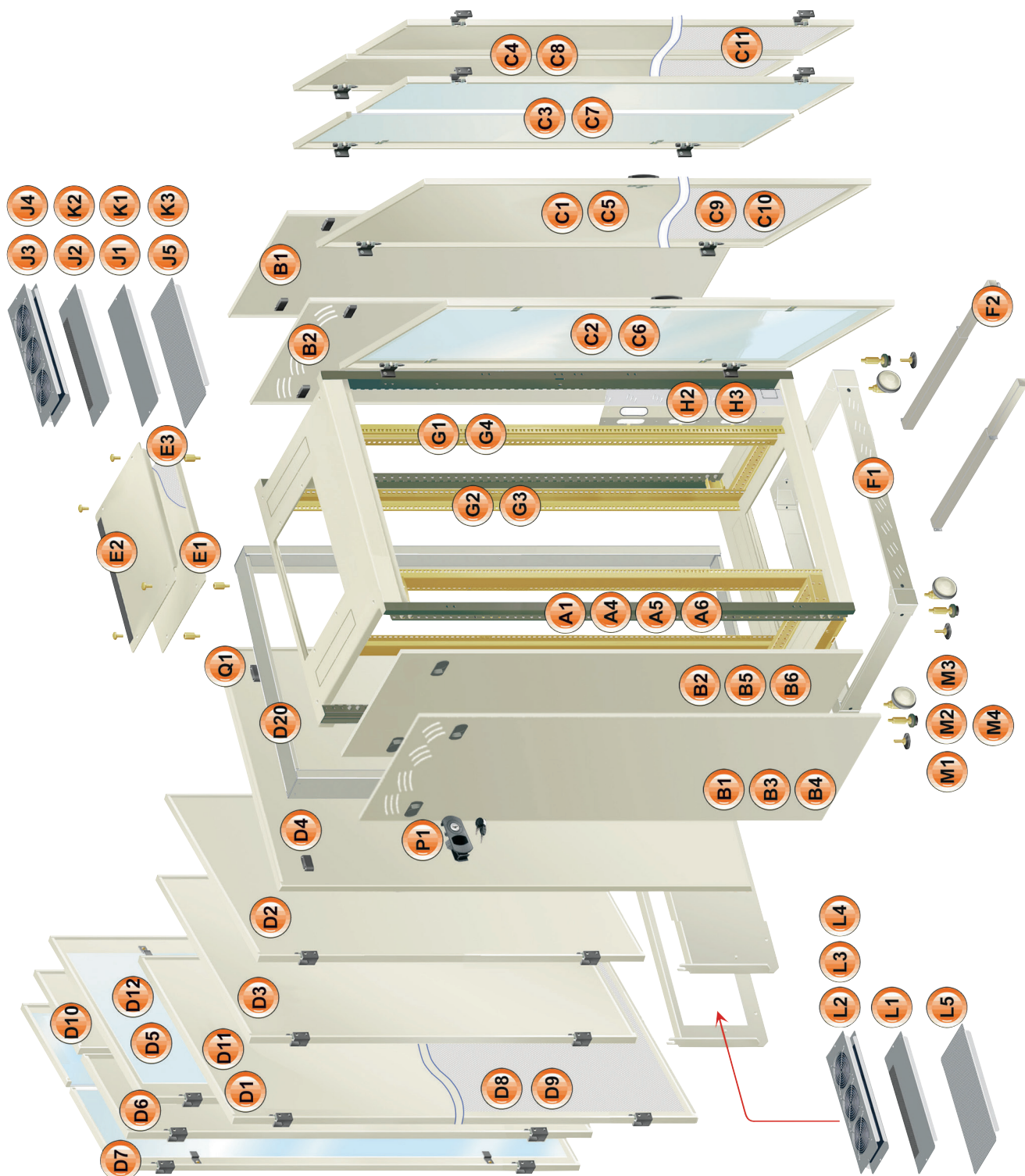
To order exactly identical racks, please specify the number of racks required.
To order different racks, fill in a separate form for each type of rack.

Please specify the required rack accessories.

Practical

Choose the door opening direction.

Elements of a rack



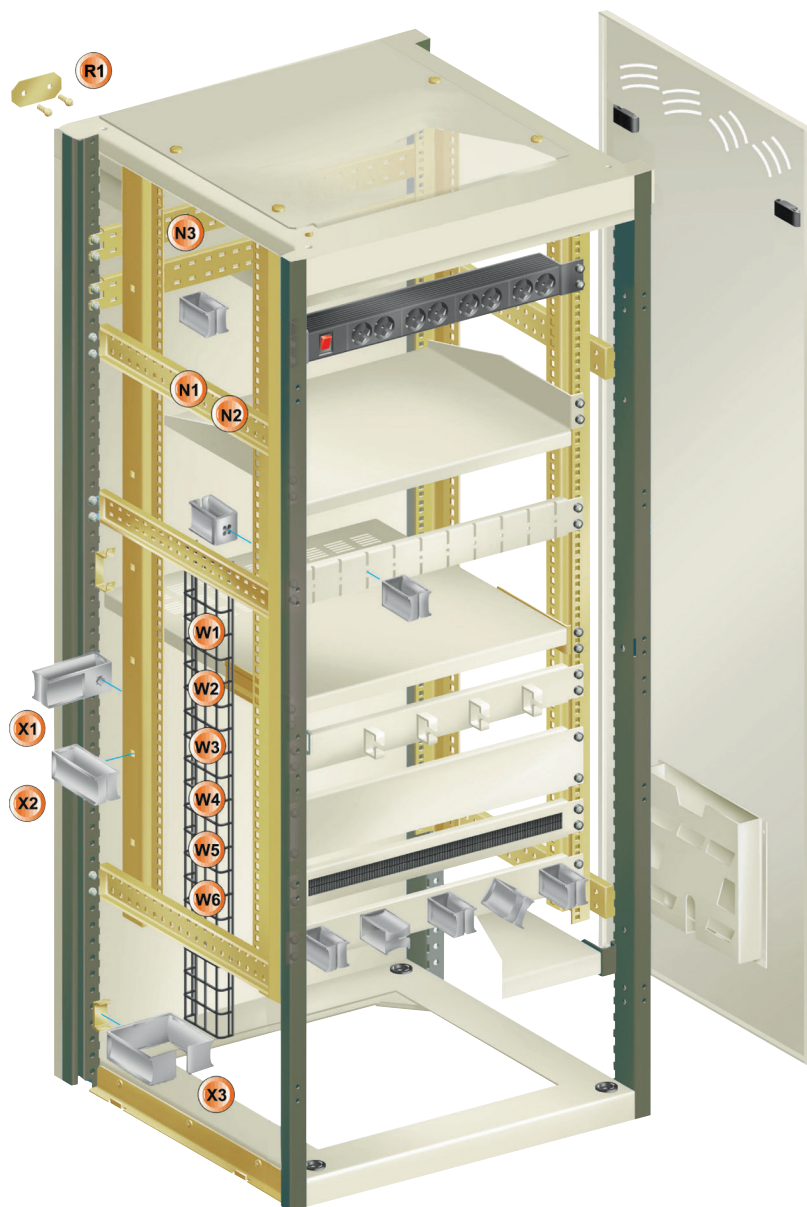
PB501422

Elements of a rack

- A** Framework
- B** Side panels
- C** Front doors
- D** Rear doors or panels
- E** Plain roof plate
- F** Plinths
- G** 19" uprights
- H** Trim strips
- J** Blanking plates for the top of the rack
- K** Blanking plates for the bottom of the rack (1)
- W** Blanking plates for the rear of the rack (1 plate)
- M** Standard levelling feet
- N** Cable-support cross-rails
- D** Lock kit for rear and side panels
- Q** Roof stand-offs
- R** Coupling kit
- S** Colour of the paint on the structure uprights
- T** Colour of the paint on the cladding elements
- W** Steel wired cable trays
- X** Cable-gland guides
- Y** Earthing strips
- Z** Door switch, fixings, earthing kit

(1) Number of plates

Rack depth (mm)	Number of plates at the top	Number of plates at the bottom
600	3	2
800	3	3
1000	3	3



PB501572

Cladding elements and accessories

Rack elements

- A1** Framework with knock-out entries (top frame)
- A4** Framework without knock-out entries (top frame)
- A5** Framework with knock-out entries (top frame) rigidity 500 kg
- A6** Framework without knock-out entries (top frame) rigidity 500 kg

Cladding accessories

- B1** Side panels with ventilation louvres
- B2** Side panels without ventilation louvres
- B3** Side panels, with 50 mm ventilation louvres
- B4** Side panels, with ventilation louvres and brush gasket
- B5** Side panels, without ventilation louvres and brush gasket
- B6** Side panels with 50 mm ventilation louvres and brush gasket
- R1** Coupling kit
- P1** Lock kit for rear and side panels
- C5 C1** Plain front door (1)
- C6 C2** Glazed front door (1)
- C7** Front door with double leaf, glazed (2)
- C8** Front door with double leaf, plain (2)
- C10 C9** Microperforated front door (1)
- C11** Front door with double leaf, microperforated (2)
 - H3** Structure trim strips (rack without door)
- D11 D1** Plain rear door (1)
 - D2** Partial rear door with plain 6U panel
 - D3** Partial rear door with cut-out 6U panel
 - D4** Rear panel
- D12 D5** Glazed rear door (1)
- D6** Rear door with double leaf, plain (2)
- D7** Rear door with double leaf, glazed (2)
- D9 D8** Microperforated rear door (1)
- D10** Rear door with double leaf, microperforated (2)
- D20** Rear extension kit
 - E1** Plain roof plate
 - E2** Roof plate with brush gasket
 - E3** Perforated roof plate
 - Q1** Roof stand-offs
 - Z3** Panel earthing kit
- S** Colour of the structure upright paint
- T** Colour of the paint of the cladding elements

(1) Code in red: doors with 2-point closure.

(2) Code in blue: double door with 3-point closure.

Base accessories

- F1** Plinth
- F2** Anti-tilt plinth
- M1** Standard levelling feet
- M2** Anti-vibration levelling feet
- M3** Handling castors
- M4** Castor adaptation kit

Blanking plates for the top of the rack (2)

- J1** Plain blanking plate
- J2** Blanking plate with brush gasket
- J3** Blanking plate with 3 fans
- J4** Blanking plate with 2 fans
- J5** Blanking plate with ventilation louvres

Blanking plates for the bottom of the rack (2)

- K1** Plain blanking plate
- K2** Blanking plate with brush gasket
- K3** Blanking plate with ventilation louvres

Blanking plates for the rear of the rack (1 plate)

- L1** Blanking plate with brush gasket
- L2** Blanking plate with 3 fans
- L3** Blanking plate with 2 fans
- L4** Blanking plate with ventilation louvres

(2) Top frame: always 3 plates; bottom frame depth 600 mm: 2 plates; depth 800 and 1000 mm: 3 plates.

Installation accessories

- G1** Front 19" uprights and depth supports
- G2** Front/rear 19" uprights and depth supports
- G3** 12U partial 19" uprights
- G4** Front/rear 12U partial 19" uprights installed at the top
- Z2** Bag of 19" fixings (30 pieces)

Cable-management accessories

- H2** Trim strips with cable glands (rack width 800 mm)
- N1** Cable-support cross-rails on framework, on the left
- N2** Cable-support cross-rails on framework, on the right
- N3** Cable-support cross-rails on framework, on the rear
- W1** Wired cable tray, 35 mm deep, on the left
- W2** Wired cable tray, 35 mm deep, on the right
- W3** Wired cable tray, 35 mm deep, on the rear
- W4** Wired cable tray, 70 mm deep, on the left
- W5** Wired cable tray, 70 mm deep, on the right
- W6** Wired cable tray, 70 mm deep, on the rear
- X1** 40 x 60 mm guides mounted on the 19" uprights
- X2** 40 x 100 mm guides mounted on the 19" uprights
- X3** 100x 100 mm guides mounted on the 19" uprights

Complementary accessories

- Y1** Insulated earthing strip
- Y2** Non-insulated earthing strip
- Z1** Door switch (corresponding to **NSYAEDWVD**)
- Z2** Bag of fixings (50 screws + nuts)
- Z3** Panel earthing kit

Example of realisations

**Colocation 19" enclosure**

Enclosure separated in 4 parts to give different access to each customer. Each hosted customer has his own secured access and cannot make some operation to the other part of the enclosure

**Branded 19" enclosure equipped with saloon glazed doors**

Enclosure totally customized with the customer requirements. 42U enclosure equipped with double glazed doors permits to open the doors when you don't have space.

**Ventilated 19" enclosure with fans mounted on the doors**

Enclosure dedicated to extract a lot of heat. Mainly dedicated to server application. This configuration permits to ensure the stability of the installation

**19" enclosure – Depth 400 mm**

19" enclosure with a very limited depth (Depth 400 mm) for cabling application. Required by the customer to reduce the size of the installation.

**Wall-mounting enclosure – Depth 1000 mm**

Enclosure totally customized with the customer requirements. 12U – Width 600 mm and Depth 1000 mm.

**Racks structure merged with a middle zone cabling**

Totally dedicated for cabling, this structure permits to easily manage the cables and to give the best access to install the components.

Degree of protection

Standard IEC 60364-5-51 lists and codifies a large number of external influences to which electrical installations can be subjected, including the presence of water, solid objects, shocks, vibrations, corrosive substances, etc.

IP code

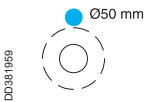
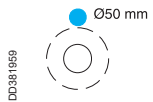
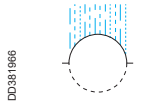
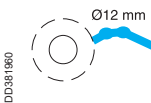
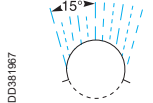
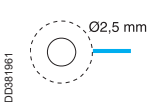
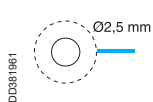
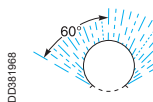
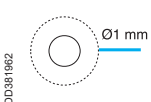
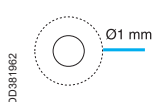
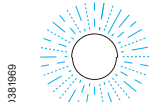
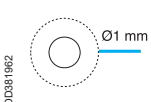
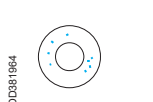
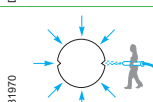
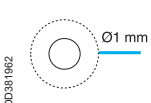
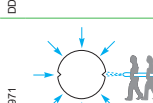
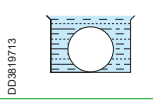
Standard IEC 60529 (IP code, February 2001) indicates the degrees of protection provided by an enclosure for electrical devices against access to hazardous parts, against penetration of solid foreign objects and against penetration of water.

These standards do not apply for the protection against the risks of explosion or conditions such a humidity, corrosive vapour, fungus or vermin.

The IP code is made up of two characteristic numerals and can include an additional letter when the actual protection for persons against access to the hazardous parts is better than that indicated by the first numeral.

The first numeral characterises the protection provided against the ingress of solid foreign objects and the protection of persons.

The second numeral characterises the protection provided against the ingress of water with harmful effects.

1 st numeral Protection of persons	Protection against ingress of solid objects	2 nd numeral Protection against ingress of water
1 1 Protected against access with back of hand 	Protection against solid foreign objects larger than 50 mm 	1 Protected against vertically dripping water (condensation) 
2 Protected against access with a finger 	Protection against solid foreign objects larger than 12.5 mm 	2 Protected against dripping water up to 15° from vertical 
3 Protected against access with a tool 	Protection against solid foreign objects larger than 2.5 mm 	3 Protected against spraying water up to 60° from vertical 
4 Protected against access with a wire 	Protection against solid foreign objects larger than 1 mm 	4 Protected against splashing water from all directions 
5 Protected against access with a wire 	Protected against dust (dust protected) 	5 Protected against water jets from all directions 
6 Protected against access with a wire 	Dust tight 	6 Protected against powerful water jets from all directions 
		7 Protected against the effects of temporary immersion in water 
		8 Protected against the effects of continuous immersion in water 

IK code

Standard IEC 62262 defines an IK code characterising the capacity of products to resist mechanical impacts from all sides.

IK code	Impact energy (joules)
01	0.14
02	0.2
03	0.35
04	0.5
05	0.7
06	1
07	2
08	5
09	10
10	20

IK codes can be selected according to the risks of impacts on a given site.

Risk	Site	Recommended IK
No risk of major impact	Technical premises	07
Significant risk of impact that can damage devices	Hallways	08 (switchboard with door)
Maximum risk of impact that can damage the switchboard	Workshops	10

Spare parts -For Actassi Enclosures

Spare parts 248

VDA-VDS Floor standing Enclosures..... 248

Selection Table

VDA-VDS Floor standing Enclosures

OPB Wall-mounting Enclosures

Commercialized CR

Description	References	Complement
2 points locking system VDA 42U	NSYVDA42ULS2P	
Kit SAV VDA	NSYVDASAVKIT	
Glazed door VDA R7035 42U W600	NSYVDA42U6GGD	
Glazed door VDA R7035 42U W800	NSYVDA42U8GGD	

Some spare-parts are part of customized offer : P&S services can answer your needs

Description	References	Customised offer
Rear panel VDA R7035 24U W600	VDA24U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Rear panel VDA R7035 24U W800	VDA24U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Rear panel VDA R7035 29U W600	VDA29U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Rear panel VDA R7035 29U W800	VDA29U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Rear panel VDA R7035 33U W600	VDA33U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Rear panel VDA R7035 33U W800	VDA33U	Be ordered by Configured offer (CTO) or Specific offer (ETO)

Selection Table

VDA-VDS Floor standing Enclosures

OPB Wall-mounting Enclosures

Description	References	Customised offer
Rear panel VDA R7035 38U W600	VDA38U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Rear panel VDA R7035 38U W800	VDA38U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Rear panel VDA R7035 42U W600	VDA42U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Rear panel VDA R7035 42U W800	VDA42U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Rear panel VDA R7035 47U W600	VDA47U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Rear panel VDA R7035 47U W800	VDA47U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Glazed door VDA R7035 24U W600	VDA24U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Glazed door VDA R7035 24U W800	VDA24U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Glazed door VDA R7035 47U W600	VDA47U	Be ordered by Configured offer (CTO) or Specific offer (ETO)
Glazed door VDA R7035 47U W800	VDA47U	Be ordered by Configured offer (CTO) or Specific offer (ETO)

Description	References	Commercial solution
2 points locking system VDA 24U	VDA24UP	Be ordered by Specific offer (ETO)
2 points locking system VDA 38U	VDA38U	Be ordered by Specific offer (ETO)
2 points locking system VDA 47U	VDA47U	Be ordered by Specific offer (ETO)

A				ACTFP2C1M45M20	156
				ACTFP2C1M45M30	156
				ACTFP2C1M45M50	156
ACT4P5ESCM3RBxx	69			ACTFP2C1M45M100	156
ACT4P5ESLS3RBxx	69			ACTFP2C1S19S10	156
ACT4P5EUCM3RBxx	69			ACTFP2C1S19S20	156
ACT4P5EULS3RBxx	69			ACTFP2C1S19S30	156
ACT4P6SCM3RBxx	71			ACTFP2C1S19S50	156
ACT4P6SLS3RBxx	71			ACTFP2C1S19S100	156
ACT4P6UCM3RBxx	71			ACTFP2CL1M25M10	157
ACT4P6UCR3RBxx	71			ACTFP2CL1M25M20	157
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ACTC5E110BL45P	107			ACTFP2L1M25M30	155
ACTC5E110RM100P	107			ACTFP2L1M25M50	155
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ACTFCLCSM3	126			ACTFP2LH1S19S50	153
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ACTFM1UF2LC6PSM	167			ACTFT1C1S19S10	159
ACTFM1UF2LC12PM	167			ACTFT1C1S19S15	159
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ACTFM1UF2SC3PSM	167			ACTFT1L1M25M20	158
ACTFM1UF2SC6PMM	167			ACTFT1L1M35M10	158
ACTFM1UF2SC6PSM	167			ACTFT1L1M35M15	158
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ACTFMSPTKIT	161, 163, 167			ACTFT1L1M45M10	158
ACTFP2C1M25M10	156			ACTFT1L1M45M20	158
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ACTFP2C1M25M30	156			ACTFT1L1S19S20	158
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ACTFP2C1M35M20	156			ACTMMOx12zz	147
ACTFP2C1M35M30	156			ACTMMOx12zzH	147
ACTFP2C1M35M50	156			ACTMMOx24zz	147
ACTFP2C1M35M100	156			ACTMMOx24zzH	147
ACTFP2C1M45M10	156			ACTMMQx12zz	147

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ACTMP1UH.....	146	NSYAEBP2F68.....	200, 215
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ACTMP4U*.....	146	NSYAEBP2F610.....	200, 215
ACTMPBP.....	147, 167	NSYAEBP2F810.....	200, 215
ACTMPBPH.....	147	NSYAEBP2FS6.....	215
ACTNDTGxxMMLS.....	133	NSYAEBP2FS8.....	215
ACTNDxxMM5XLS.....	133	NSYAEBP2FS10.....	215
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ACTNUDxxMM5XLS.....	134	NSYAEDN1KVD.....	202
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ACTPC6UULSxxyy.....	85	NSYAEEC1UN.....	218
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VDIM11U001	102		
VDIM11U002	102		





Green Premium™

An industry leading portfolio of offers delivering sustainable value



More than 75% of our product sales offer superior transparency on the material content, regulatory information and environmental impact of our products:

- RoHS compliance
- REACH substance information
- Industry leading # of PEP's*
- Circularity instructions



Discover what we mean by green

[Check your products!](#)

The Green Premium program stands for our commitment to deliver customer valued sustainable performance. It has been upgraded with recognized environmental claims and extended to cover all offers including Products, Services and Solutions.

CO₂ and P&L impact through... Resource Performance

Green Premium brings improved resource efficiency throughout an asset's lifecycle. This includes efficient use of energy and natural resources, along with the minimization of CO₂ emissions.

Cost of ownership optimization through... Circular Performance

We're helping our customers optimize the total cost of ownership of their assets. To do this, we provide IoT-enabled solutions, as well as upgrade, repair, retrofit, and remanufacture services.

Peace of mind through... Well-being Performance

Green Premium products are RoHS and REACH compliant. We're going beyond regulatory compliance with step-by-step substitution of certain materials and substances from our products.

Improved sales through... Differentiation

Green Premium delivers strong value propositions through third-party labels and services. By collaborating with third-party organizations we can support our customers in meeting their sustainability goals such as green building certifications.

*PEP: Product Environmental Profile (i.e. Environmental Product Declaration)



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