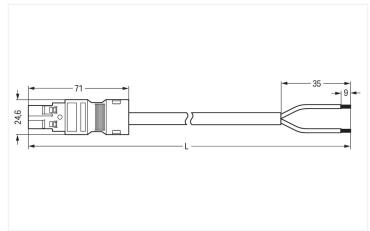
pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. L; H05Z1Z1-

F 2 x 2.5 mm²; 1 m; 2,50 mm²; dark gray

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Color: ■ dark gray

Dimensions in mm

Cable assembly WINSTA® MIDI with protection type IP20

The WINSTA® MIDI cable assembly with protection against mismating allows installation of fine-stranded and solid conductors. The pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow fast, efficient, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector offers protection against contact with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). The 2- or 5-pole version of the dark grey WINSTA® MIDI pluggable installation connectors with L coding allows use of an emergency power supply. This pluggable installation connector can be used for electrical currents up to 20 A. Thus the product is especially suitable for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Thanks to the built-in test slot, connections can be checked even when they are plugged in. This saves time, labor, and money. According to the European CPR, the fire class of the cables used in construction is decisive for building safety, too. For buildings with average safety requirements, cable assemblies with fire class E are suitable. Not using halogen additives in the manufacture of this cable assembly substantially increases fire safety and minimises environmental pollution.

Fast, secure pluggable connections - cable assemblies from WAGO

A plug and a free end are available. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – the WINSTA® MIDI pluggable installation connector with marking from WAGO makes the installation of electrical components visibly easier.

- pluggable installation connectors with protection against mismating
- · for automation controllers
- · with L coding for supplying power in automation
- custom-engineered solutions
- convenient installation and commissioning

Notes	
Note	Cables with a different fire class can be found in the eShop.

Electrical data					
Ratings per	IEC	/EN 60664	-1	Ratings per UL 1977	
Overvoltage category	III	III	II	Note for the US market	Some versions may also be used for cur-
Pollution degree	3	2	2		rent interruption in accordance with the UL certificate in select applications with
Nominal voltage	250 V	-	-		currents below 16 A and voltages up to
Rated surge voltage	4 kV	-	-		600 V. For further information, please contact your local sales office.
Rated current	20 A	-	-		contact your room dules office.

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General information

Note on contact resistance

approx. 1 $m\Omega$ of contact resistance approx. 0.25 $m\Omega$ contact transition plug/ socket

Connection data			
Total number of potentials	2	Connection 1	
Conductor preparation ultrasonically tip-bonded	Strip length	9 mm / 0.35 inches	
	Pole number	2	
	Sheathed cable diameter	8.4 10.6 mm	
	Wire cross-section	2.5 mm ²	
	Strip length (outer insulation)	35 mm	
		Connection type	Plug - free end

Physical data	
Pin spacing	10 mm / 0.394 inches
Width	24.6 mm / 0.969 inches
Height	15.9 mm / 0.626 inches
Total length	1 m

Mechanical data	
Application	Emergency power supply
Coding	L
Variable coding	No
Marking	L'N'
Potential marking	L'N'
Mating force of a plug-in connection	approx. 20 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Unmating force of a plug-in connection	when unlocked: approx. 20 70 N (depending on pole number)
Number of mating cycles	200, without resistive load
Connection type	Plug - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05Z1Z1-F 2x2.5
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Plug-in connection	
Mismating protection	Yes
Note on mismating protection	All WINSTA® components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole
Locking lever	Can be retrofitted
Locking of plug-in connection	Locking lever
Note on locking system	All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

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Material data	
Note (material data)	Information on material specifications can be found here
Color	dark gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Fire class per EN 50575	E _{ca}
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	29.703 MJ
Connector color	dark gray
Strain relief color	white
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	137.3 g
Copper weight of the pipe	0.048 kg/m

Environmental requirements	
Processing temperature	-5 +40 °C
Continuous operating temperature	-35 +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Commercial data	
eCl@ss 10.0	27-44-06-04
eCl@ss 9.0	27-44-06-04
ETIM 8.0	EC002587
ETIM 7.0	EC002587
PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4055143481793
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7972
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

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Environmental Product Compliance 771-8982/217-104

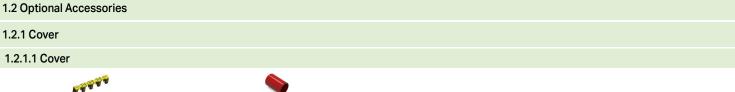


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Documentation **Bid Text** 771-8982/217-104 19.02.2019 3.01 KB 771-8982/217-104 doc 03.12.2014 25.50 KB

CAD/CAE-Data CAE data WSCAD Universe 771-8982/217-104









Item No.: 770-360 Lockout cap; for plugs; 5-pole; separable;

Protective cap; Type2; for sockets and plugs; PVC; red

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1.2.2 Installation

1.2.2.1 Mounting accessories



Item No.: 770-310 Mounting carrier; 2- to 5-pole; for flying leads; black

1.2.3 Marking

1.2.3.1 Marking strip



Item No.: 210-334 Marking strips; as a DIN A4 sheet; Strip width 5 mm; Strip length 182 mm; plain; Self-adhesive; white

Subject to changes. Please also observe the further product documentation!

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