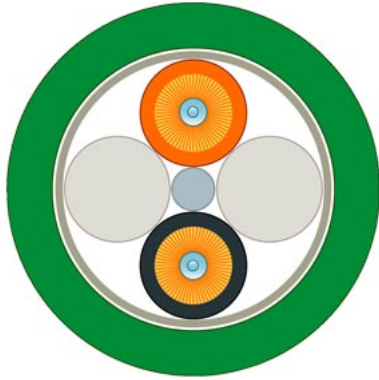


product type designation

product description



PCF Standard Cable GP

PCF fiber-optic cable with plastic cladding, sold by the meter, unassembled

PCF Standard Cable, (200/230), standard cable splittable, UL approval, without connector, sold by the meter, minimum order quantity 20 m, max. length 2000 m.

suitability for use

Cable for permanent installation indoors and outdoors, UL approval

version of the assembled FO cable

sold by the meter

cable designation

AT-V(ZN)YY 2K 200/230

optical data

attenuation factor per length

- at 650 nm / maximum
- at 660 nm / maximum

10 dB/km

10 dB/km

bandwidth length product

- at 650 nm

17 GHz·m

mechanical data

number of fibers / per FOC core

1

number of FO cores / per FOC cable

2

version of the FO conductor fiber

Step index fiber 200/230 μm

outer diameter

- of the optical fibers
- of the optical fiber sheath
- of the FOC core sheath

200 μm

230 μm

2.2 mm

symmetrical deviation / of the outer diameter of the FOC core sheath

0.1 mm

outer diameter / of the cable

7.2 mm

symmetrical deviation / of the outer diameter of the line

0.5 mm

material

- of the fiber-optic cable core
- of the optical fiber sheath
- of the FOC core sheath
- of the fiber-optic cable sheath
- of the strain relief

Quartz glass

Special polymer

PVC

PVC

Aramid fibers

color

- of the FOC core sheath
- of cable sheath

orange/black

green

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

70 mm

105 mm

tensile load

- during installation / short-term
- during operation / maximum

800 N

100 N

short-term shear force per length

500 N/cm

continuous shear force per length

300 N/cm

weight per length	45 kg/km
ambient conditions	
ambient temperature	
• during operation	-40 ... +90 °C
• during storage	-40 ... +90 °C
• during transport	-40 ... +90 °C
• during installation	-5 ... +50 °C
fire behavior	flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
• to mineral oil	acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +70 °C, 4 h
• to grease	conditional resistance
• to water	conditional resistance
radiological resistance / to UV radiation	resistant

product features, product functions, product components / general

product feature	
• halogen-free	No
• silicon-free	Yes
product component / rodent protection	No
wire length	
• for PCF FOC / for Industrial Ethernet / maximum	100 m
• for PCF FOC / with PROFIBUS / maximum	400 m

standards, specifications, approvals

certificate of suitability	
• UL approval	Yes; UL approval: cULus OFN (NEC Article 770, UL 1651) / CSA approval: OFN FT4 (CSA standard C22.2 No. 232)
• RoHS conformity	Yes
reference code	
• according to IEC 81346-2	WH
• according to IEC 81346-2:2019	WHA

further information / internet links

internet link	
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: Industry Online Support	https://support.industry.siemens.com

security information / header

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)
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Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[Declaration of Conformity](#)



other	Environment	Industrial Communication
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[Confirmation](#)

[Confirmation](#)

[PROFINET](#)

last modified:

6/3/2024 