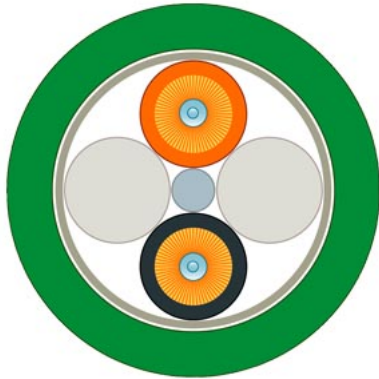


product type designation

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

For assembly with SC RJ, SC RJ Plug PRO, BFOC and Simplex connectors

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
• 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: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAX-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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