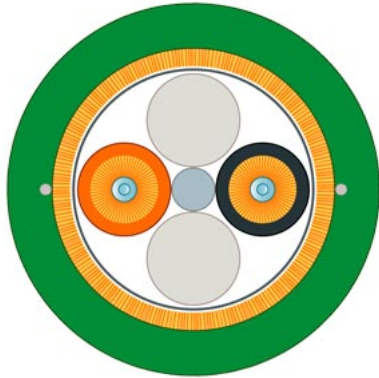


product type designation

product description



PCF Trailing Cable

PCF fiber-optic cable with plastic cladding, preferred length, preassembled

PCF Trailing Cable, pre-assembled with 2x2 BFOC plugs, insertion aid, length 100 m.

suitability for use

Cable for applications with high mechanical loading, and motion (e.g. trailing cables), no UL approval

version of the assembled FO cable

Assembled with four BFOC connectors

cable designation

AT-V(ZN)Y(ZN)11Y 2K 200/230

wire length

100 m

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

8.8 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
PUR
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

130 mm
175 mm

number of bending cycles

5000000

tensile load

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

2000 N
800 N

short-term shear force per length	500 N/cm
continuous shear force per length	300 N/cm
weight per length	85 kg/km
ambient conditions	
ambient temperature	
• during operation	-25 ... +75 °C
• during storage	-30 ... +75 °C
• during transport	-30 ... +75 °C
• during installation	-5 ... +50 °C
fire behavior	flame-retardant
chemical resistance	
• to mineral oil	resistant
• to grease	resistant
radiological resistance / to UV radiation	resistant
protection class IP	IP20
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	
• 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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