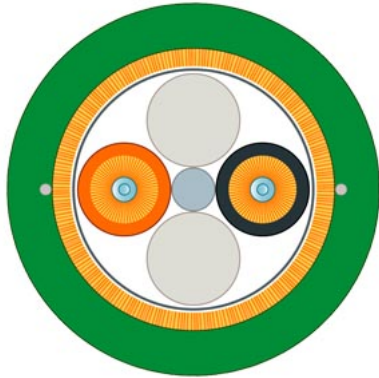


product type designation

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.

Technical Product Detail Page

<https://l.siemens.com/1P6XV1861-3CT10>

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 10 dB/km
- at 660 nm / maximum 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 200 µm
- of the optical fiber sheath 230 µm
- of the FOC core sheath 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 Quartz glass
- of the optical fiber sheath Special polymer
- of the FOC core sheath PVC
- of the fiber-optic cable sheath PUR
- of the strain relief Aramid fibers

color

- of the FOC core sheath orange/black
- of cable sheath green

bending radius

- with single bend / minimum permissible 130 mm
- with multiple bends / minimum permissible 175 mm

number of bending cycles

5000000

tensile load

<ul style="list-style-type: none"> during installation / short-term 	2000 N
<ul style="list-style-type: none"> during operation / maximum 	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	
<ul style="list-style-type: none"> during operation 	-25 ... +75 °C
<ul style="list-style-type: none"> during storage 	-30 ... +75 °C
<ul style="list-style-type: none"> during transport 	-30 ... +75 °C
<ul style="list-style-type: none"> during installation 	-5 ... +50 °C
fire behavior	flame-retardant
chemical resistance	
<ul style="list-style-type: none"> to mineral oil 	resistant
<ul style="list-style-type: none"> to grease 	resistant
radiological resistance / to UV radiation	resistant
protection class IP	IP20
product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> halogen-free 	No
<ul style="list-style-type: none"> silicon-free 	Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> for PCF FOC / for Industrial Ethernet / maximum 	100 m
<ul style="list-style-type: none"> for PCF FOC / with PROFIBUS / maximum 	400 m
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity 	Yes
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors 	https://support.industry.siemens.com/cs/ww/en/view/109766358
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
<ul style="list-style-type: none"> to website: Industrial communication 	https://www.siemens.com/simatic-net
<ul style="list-style-type: none"> to web page: SiePortal 	https://sieportal.siemens.com/
<ul style="list-style-type: none"> to website: Image database 	https://www.automation.siemens.com/bilddb
<ul style="list-style-type: none"> to website: CAX-Download-Manager 	https://www.siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com
security information / header	
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