

**product type designation**

product description

**PROFIBUS PCF Fiber Optic standard cable**

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

PROFIBUS PCF Fiber Optic, with 4 PCF Simplex connectors, length 300 m.



suitability for use

Cable for indoor applications

version of the assembled FO cable

Assembled with four Simplex connectors

cable designation

I-V(ZN)Y 2K 200/230

wire length

300 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

4.7 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  
Fluoridated special polymer  
PVC  
PVC  
Kevlar fibers

color

- of the FOC core sheath
- of cable sheath

orange/black  
Violet

bending radius

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

47 mm  
70 mm

tensile load

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

800 N  
200 N

short-term shear force per length

100 N/cm

weight per length

22 kg/km

ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>during installation</li> </ul>	-30 ... +70 °C -30 ... +70 °C -30 ... +70 °C -5 ... +50 °C
fire behavior	flame-resistant acc. to IEC 60332-1-2
chemical resistance	
<ul style="list-style-type: none"> <li>to mineral oil</li> <li>to grease</li> </ul>	conditional resistance conditional resistance
radiological resistance / to UV radiation	not resistant
protection class IP	IP20

### product features, product functions, product components / general

product feature	
<ul style="list-style-type: none"> <li>halogen-free</li> <li>silicon-free</li> </ul>	No Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> <li>for PCF FOC / with PROFIBUS / maximum</li> </ul>	400 m

### standards, specifications, approvals

certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</li> </ul>	Yes
reference code	
<ul style="list-style-type: none"> <li>according to IEC 81346-2</li> <li>according to IEC 81346-2:2019</li> </ul>	WH WHA

### further information / internet links

internet link	
<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to web page: SiePortal</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

### security information / header

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### Approvals / Certificates

#### General Product Approval



EG-Konf.

[Declaration of Conformity](#)



CCC

[Manufacturer Declaration](#)

[China RoHS](#)

General Product Approval	Maritime application	other
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[Confirmation](#)

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