

product type designation	<b>PROFIBUS PCF Fiber Optic standard cable</b>
product description	PCF fiber-optic cable with plastic cladding, preferred length, preassembled PROFIBUS PCF Fiber Optic, with 4 PCF Simplex connectors, length 150 m.



Technical Product Detail Page	<a href="https://l.siemens.com/1P6XV1821-1CT15">https://l.siemens.com/1P6XV1821-1CT15</a>
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	150 m

### optical data

attenuation factor per length	
<ul style="list-style-type: none"> <li>at 650 nm / maximum</li> <li>at 660 nm / maximum</li> </ul>	10 dB/km
bandwidth length product	
<ul style="list-style-type: none"> <li>at 650 nm</li> </ul>	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	
<ul style="list-style-type: none"> <li>of the optical fibers</li> <li>of the optical fiber sheath</li> <li>of the FOC core sheath</li> </ul>	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	
<ul style="list-style-type: none"> <li>of the fiber-optic cable core</li> <li>of the optical fiber sheath</li> <li>of the FOC core sheath</li> <li>of the fiber-optic cable sheath</li> <li>of the strain relief</li> </ul>	Quartz glass Fluoridated special polymer PVC PVC Kevlar fibers
color	
<ul style="list-style-type: none"> <li>of the FOC core sheath</li> <li>of cable sheath</li> </ul>	orange/black Violet
bending radius	
<ul style="list-style-type: none"> <li>with single bend / minimum permissible</li> <li>with multiple bends / minimum permissible</li> </ul>	47 mm 70 mm
tensile load	
<ul style="list-style-type: none"> <li>during installation / short-term</li> <li>during operation / maximum</li> </ul>	800 N 200 N

short-term shear force per length	100 N/cm
weight per length	22 kg/km
<b>ambient conditions</b>	
ambient temperature	
• during operation	-30 ... +70 °C
• during storage	-30 ... +70 °C
• during transport	-30 ... +70 °C
• during installation	-5 ... +50 °C
fire behavior	flame-resistant acc. to IEC 60332-1-2
chemical resistance	
• to mineral oil	conditional resistance
• to grease	conditional resistance
radiological resistance / to UV radiation	not 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 / with PROFIBUS / maximum	400 m

**standards, specifications, approvals**

certificate of suitability	
• RoHS conformity	Yes

**further information / internet links**

internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<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**



[Declaration of Conformity](#)



[Manufacturer Declaration](#)

[China RoHS](#)

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

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