

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 50 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	50 m

Optical data	
Damping ratio per length	
<ul style="list-style-type: none"> at 650 nm / maximum 	10 dB/km
<ul style="list-style-type: none"> at 660 nm / maximum 	10 dB/km
Bandwidth length product	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> of the optical fibers 	200 μm

<ul style="list-style-type: none"> • of the optical fiber sheath 	230 µm
<ul style="list-style-type: none"> • 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	4.7 mm
Material	
<ul style="list-style-type: none"> • of the fiber-optic cable core 	Quartz glass
<ul style="list-style-type: none"> • of the optical fiber sheath 	Fluoridated special polymer
<ul style="list-style-type: none"> • of the FOC core sheath 	PVC
<ul style="list-style-type: none"> • of the fiber-optic cable sheath 	PVC
<ul style="list-style-type: none"> • of the strain relief 	Kevlar fibers
Color	
<ul style="list-style-type: none"> • of the FOC core sheath 	orange/black
<ul style="list-style-type: none"> • of cable sheath 	Violet
Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible 	47 mm
<ul style="list-style-type: none"> • with multiple bends / minimum permissible 	70 mm
Tensile load	
<ul style="list-style-type: none"> • during installation / short-term 	800 N
<ul style="list-style-type: none"> • during operation / maximum 	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"> • during operation 	-30 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-30 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-30 ... +70 °C
<ul style="list-style-type: none"> • during installation 	-5 ... +50 °C
Burning behavior	flame-resistant acc. to IEC 60332-1-2
Chemical resistance	
<ul style="list-style-type: none"> • to mineral oil 	conditional resistance
<ul style="list-style-type: none"> • to grease 	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"> • 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 / with PROFIBUS / maximum 	400 m

Standards, specifications, approvals

Certificate of suitability

- RoHS conformity

Yes

Further information / Internet-Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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