

Product-type designation	PROFIBUS PCF Fiber Optic standard cable
<p>Product description</p> <p>Cable designation</p> <p>Cable length</p>	<p>SIMATIC NET, PROFIBUS PCF FIBER OPTIC, WITH 4 PCF BFOC CONNECTORS L = 100 M</p> <p>PCF fiber-optic cable with plastic cladding, preferred length, preassembled</p> <p>I-V(ZN)Y 2K 200/230</p> <p>100 m</p>
Optical data	
<p>Damping ratio per length</p> <ul style="list-style-type: none"> • at 650 nm / maximum • at 660 nm / maximum <p>Bandwidth length product</p> <ul style="list-style-type: none"> • at 650 nm 	<p>10 dB/km</p> <p>10 dB/km</p> <p>17 GHz·m</p>
Mechanical data	
<p>Number of fibers / per FOC core</p> <p>Number of FOC cores / per FOC cable</p> <p>Version of the FO conductor fiber</p> <p>Outer diameter</p> <ul style="list-style-type: none"> • of optical fibers • of the optical fiber sheath • of the FOC core sheath <p>Symmetrical deviation / of the outer diameter of the FOC core sheath</p> <p>Outer diameter / of the cable</p>	<p>1</p> <p>2</p> <p>Step index fiber 200/230 μm</p> <p>200 μm</p> <p>230 μm</p> <p>2.2 mm</p> <p>0.1 mm</p> <p>4.7 mm</p>



Material	
• of the FOC core sheath	PVC
• of the fiber-optic cable sheath	PVC
Color	
• of the cable sheath	Violet
Bending radius	
• with single bend / minimum permissible	47 mm
• with multiple bends / minimum permissible	70 mm
Traction stress / maximum	200 N
Short-term shear force per length	100 N/cm
Weight per length	22 kg/km

Permitted ambient conditions

Ambient temperature	
• during operating	-30 ... +70 °C
• during storage	-30 ... +70 °C
• during transport	-30 ... +70 °C
• during installation	-5 ... +50 °C
Protection class IP	IP20
Chemical resistance	
• to mineral oil	Conditional resistance
• to grease	Conditional resistance

Product properties, functions, components / general

Product feature	
• halogen-free	No
• silicon-free	Yes
Product component / Rodent protection	No
Cable length	
• for PCF FOC / for PROFIBUS / maximum	400 m

Standards, specifications, approvals

Verification of suitability	
• RoHS conformity	Yes

letzte Änderung: Aug 6, 2014