


Product-type designation	PROFIBUS Plastic Fiber Optic standard cable
 <p>Product description</p> <p>Cable designation</p> <p>Cable length</p>	<p>SIMATIC NET, PROFIBUS PLASTIC FIBER OPTIC, STANDARD CABLE WITH 4 BFOC CONNECTORS LENGTH = 1 M</p> <p>Fiber-optic cable with polyoptical fiber, preferred length, preassembled</p> <p>I-V4Y(ZN)Y 2P 980/1000</p> <p>1 m</p>
Optical data	
<p>Damping ratio per length</p> <ul style="list-style-type: none"> <li>• at 650 nm / maximum</li> <li>• at 660 nm / maximum</li> </ul> <p>Bandwidth length product</p> <ul style="list-style-type: none"> <li>• at 650 nm</li> </ul>	<p>160 dB/km</p> <p>230 dB/km</p> <p>1 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"> <li>• of optical fibers</li> <li>• of the optical fiber sheath</li> <li>• of the FOC core sheath</li> </ul> <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 980/1000 μm</p> <p>980 μm</p> <p>1000 μm</p> <p>2.2 mm</p> <p>0.1 mm</p> <p>7.8 mm</p>

Symmetrical deviation / of the outer diameter of the line	0.3 mm
Material	
<ul style="list-style-type: none"> <li>• of the FOC core sheath</li> <li>• of the fiber-optic cable sheath</li> </ul>	PA PVC
Color	
<ul style="list-style-type: none"> <li>• of the cable sheath</li> </ul>	Violet
Bending radius	
<ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> </ul>	100 mm 150 mm
Traction stress / maximum	100 N
Short-term shear force per length	100 N/cm
Weight per length	65 kg/km
<b>Permitted ambient conditions</b>	
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operating</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul>	-30 ... +70 °C -30 ... +70 °C -30 ... +70 °C 50 °C
Protection class IP	IP20
Chemical resistance	
<ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> </ul>	Conditional resistance Conditional resistance
<b>Product properties, functions, components / general</b>	
Product feature	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	No Yes
Product component / Rodent protection	No
Cable length	
<ul style="list-style-type: none"> <li>• for POF FOC / for PROFIBUS / maximum</li> </ul>	80 m
<b>Standards, specifications, approvals</b>	
Verification of suitability	
<ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	Yes
<b>letzte Änderung:</b>	Jul 19, 2014