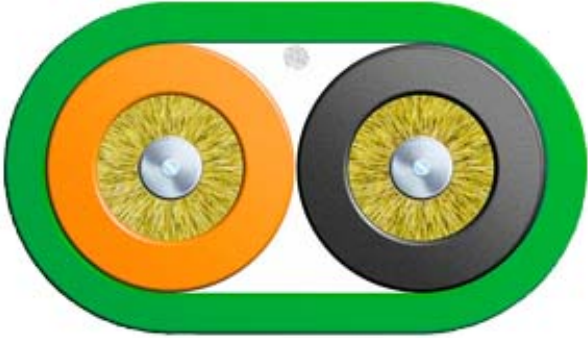


Product-type designation	FO Standard Cable GP
 <p>Product description</p> <p>Cable designation</p> <p>Cable length</p>	<p>SIMATIC NET FO STANDARD CABLE 50/125, PREASSEMBLED WITH 2X2 BFOC CONNECTORS, INSERTION GUIDE, LENGTH 50 M</p> <p>Glass fiber-optic cable, preferred length, preassembled</p> <p>AT-W(ZN)YY 2x1 G 50/125</p> <p>50 m</p>
Optical data	
<p>Damping ratio per length</p> <ul style="list-style-type: none"> <li>at 850 nm / maximum</li> <li>at 1300 nm / maximum</li> </ul> <p>Bandwidth length product</p> <ul style="list-style-type: none"> <li>at 850 nm</li> <li>at 1300 nm</li> </ul>	<p>2.7 dB/km</p> <p>0.7 dB/km</p> <p>600 GHz·m</p> <p>1200 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>Design of the fiber-optic cable</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>1</p> <p>2</p> <p>Multi-mode gradient fiber 50/125 μm, OM 2</p> <p>Segmentable</p> <p>50 μm</p> <p>125 μm</p> <p>2.9 mm</p> <p>0.1 mm</p>

Width / of the cable sheath	7.4 mm
Thickness / of the cable sheath	4.5 mm
Material	
• of the FOC core sheath	PVC
• of the fiber-optic cable sheath	PVC
Color	
• of the cable sheath	green
Bending radius	
• with single bend / minimum permissible	45 mm
• with multiple bends / minimum permissible	65 mm
Traction stress / maximum	500 N
Short-term shear force per length	600 N/cm
Continuous lateral force per length	400 N/cm
Weight per length	40 kg/km

### Permitted ambient conditions

Ambient temperature	
• during operating	-25 ... +80 °C
• during storage	-25 ... +80 °C
• during transport	-25 ... +80 °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 glass FOC	
• for 100BaseFX / for Industrial Ethernet / maximum	5000 m
• for 1000BaseSX / for Industrial Ethernet / maximum	750 m
• for 1000BaseLX / for Industrial Ethernet / maximum	2000 m
• for glass FOC / for PROFIBUS / maximum	3000 m

### Standards, specifications, approvals

Verification of suitability	UL approval: OFN (NEC Article 770, UL 1651) / CSA approval: OFN 90 °C, FT1, FT4 (CSA standard C22.2 No. 232-M1988)
• RoHS conformity	Yes

**letzte Änderung:** Aug 6, 2014