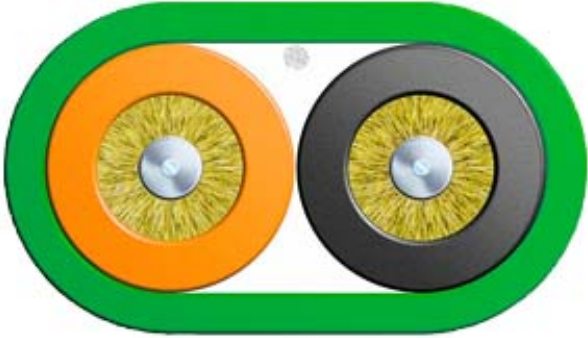


Product-type designation	FO Standard Cable GP
 <p>Product description</p> <p>Cable designation</p> <p>Cable length</p>	<p>SIMATIC NET FO STANDARD CABLE 50/125, PREASSEMBLED WITH 2X2 BFOC CONNECTORS, INSERTION GUIDE, LENGTH 150 M</p> <p>Glass fiber-optic cable, preferred length, preassembled</p> <p>AT-W(ZN)YY 2x1 G 50/125</p> <p>150 m</p>
Optical data	
<p>Damping ratio per length</p> <ul style="list-style-type: none"> at 850 nm / maximum at 1300 nm / maximum <p>Bandwidth length product</p> <ul style="list-style-type: none"> at 850 nm at 1300 nm 	<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"> 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>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	
<ul style="list-style-type: none"> • of the FOC core sheath • of the fiber-optic cable sheath 	PVC PVC
Color	
<ul style="list-style-type: none"> • of the cable sheath 	green
Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible 	45 mm 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	
<ul style="list-style-type: none"> • during operating • during storage • during transport • during installation 	-25 ... +80 °C -25 ... +80 °C -25 ... +80 °C -5 ... +50 °C
Protection class IP	IP20
Chemical resistance	
<ul style="list-style-type: none"> • to mineral oil • to grease 	Conditional resistance Conditional resistance

Product properties, functions, components / general

Product feature	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	No Yes
Product component / Rodent protection	No
Cable length	
<ul style="list-style-type: none"> • for glass FOC <ul style="list-style-type: none"> • for 100BaseFX / for Industrial Ethernet / maximum • for 1000BaseSX / for Industrial Ethernet / maximum • for 1000BaseLX / for Industrial Ethernet / maximum • for glass FOC / for PROFIBUS / maximum 	5000 m 750 m 2000 m 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)
<ul style="list-style-type: none"> • RoHS conformity 	Yes

letzte Änderung: Aug 6, 2014