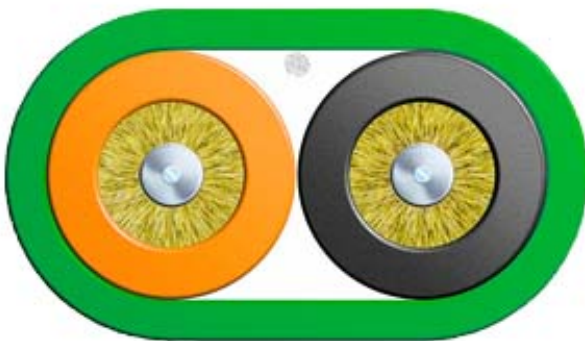


Product-type designation	FO Standard Cable GP
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SIMATIC NET FO STANDARD CABLE GP(50/125), STANDARD CABLE CAN BE SECTIONALIZED, UL APPROVAL, MAX. LENGTH: 1000 M MIN. ORDER LENGTH: 20 M SOLD BY THE METER



Product description	Glass fiber-optic cable, sold by the meter, unassembled
Cable designation	AT-W(ZN)YY 2x1 G 50/125

Optical data	
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Damping ratio per length	
<ul style="list-style-type: none"> • at 850 nm / maximum • at 1300 nm / maximum 	<p>2.7 dB/km</p> <p>0.7 dB/km</p>
Bandwidth length product	
<ul style="list-style-type: none"> • at 850 nm • at 1300 nm 	<p>600 GHz·m</p> <p>1200 GHz·m</p>

Mechanical data	
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Number of fibers / per FOC core	1
Number of FOC cores / per FOC cable	2
Version of the FO conductor fiber	Multi-mode gradient fiber 50/125 µm, OM 2
Design of the fiber-optic cable	Segmentable
Outer diameter	
<ul style="list-style-type: none"> • of optical fibers • of the optical fiber sheath • of the FOC core sheath 	<p>50 µm</p> <p>125 µm</p> <p>2.9 mm</p>
Symmetrical deviation / of the outer diameter of the FOC core sheath	0.1 mm
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
Chemical resistance	
• to mineral oil	Conditional resistance
• to grease	Conditional resistance
• to water	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	
• RoHS conformity	Yes

letzte Änderung: Aug 6, 2014