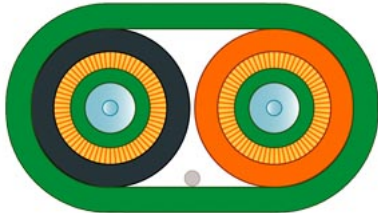


product description

Glass fiber-optic cable, sold by the meter, unassembled

FO Standard Cable GP (50/125), standard cable splittable, UL approval, max. length 1000 m Minimum order 20 m Sold by the meter



suitability for use	Cable for installation indoors and outdoors, UL approval
version of the assembled FO cable	For assembly with four BFOC or SC connectors
cable designation	AT-W(ZN)YY 2x1 G 50/125 OM2++
optical data	
attenuation factor per length	
• at 850 nm / maximum	2.7 dB/km
• at 1300 nm / maximum	0.7 dB/km
bandwidth length product	
• at 850 nm	600 GHz·m
• at 1300 nm	1200 GHz·m
mechanical data	
number of fibers / per FOC core	1
number of FO cores / per FOC cable	2
version of the FO conductor fiber	Multi-mode gradient fiber 50/125 µm, OM 2
design of the FOC core	Hollow core, filled, diameter 1400 µm
design of the fiber-optic cable	segmentable
outer diameter	
• of the optical fibers	50 µm
• of the optical fiber sheath	125 µm
• of the FOC core sheath	2.9 mm
symmetrical deviation / of the outer diameter of the FOC core sheath	0.1 mm
width / of cable sheath	7.4 mm
thickness / of cable sheath	4.5 mm
material	
• of the fiber-optic cable core	Quartz glass
• of the optical fiber sheath	Quartz glass
• of the FOC core sheath	PVC
• of the fiber-optic cable sheath	PVC
• of the strain relief	Aramid fibers
color	
• of the FOC core sheath	orange/black
• of cable sheath	green
bending radius	
• with single bend / minimum permissible	45 mm
• with multiple bends / minimum permissible	65 mm
tensile load	
• during installation / short-term	1200 N
• during operation / maximum	500 N

short-term shear force per length	600 N/cm
continuous shear force per length	400 N/cm
weight per length	40 kg/km
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport during installation 	-25 ... +80 °C -25 ... +80 °C -25 ... +80 °C -5 ... +50 °C
fire behavior	flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
<ul style="list-style-type: none"> to mineral oil to grease to water 	acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +70 °C, 4 h conditional resistance conditional resistance
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> halogen-free silicon-free 	No Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum for glass FOC / with PROFIBUS / maximum 	5000 m 750 m 2000 m 3000 m
standards, specifications, approvals	
certificate of suitability	UL approval: cULus OFN (NEC Article 770, UL 1651) / CSA approval: OFN 90 FT4 (CSA Standard C22.2 No232)
<ul style="list-style-type: none"> RoHS conformity 	Yes
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool to website: Industrial communication to website: Industry Mall to website: Information and Download Center to website: Selection guide for cables and connectors to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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