

product type designation

product description

Fiber optic standard cable

Flexible glass fiber-optic cable, sold by the meter, unassembled

Fiber-optic cable (62.5/125), standard cable splittable, without connector, sold by the meter, max. Length 2000 m Minimum order quantity: 20 m



suitability for use	Cable for installation indoors and outdoors
version of the assembled FO cable	For assembly with four BFOC connectors
cable designation	AT-V(ZN)YY 2X1 G 62,5/125 OM1
optical data	
attenuation factor per length	
<ul style="list-style-type: none"> at 850 nm / maximum at 1300 nm / maximum 	3.1 dB/km 0.8 dB/km
bandwidth length product	
<ul style="list-style-type: none"> at 850 nm at 1300 nm 	200 GHz·m 600 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	Multimode graded-index fiber 62.5/125 µm, OM 1
design of the FOC core	Compact core, diameter 900 µm
design of the fiber-optic cable	Segmentable outer conductor
outer diameter	
<ul style="list-style-type: none"> of the optical fibers of the optical fiber sheath of the FOC core sheath 	62.5 µm 125 µm 3.5 mm
width / of cable sheath	9.8 mm
thickness / of cable sheath	6.3 mm
material	
<ul style="list-style-type: none"> of the fiber-optic cable core of the optical fiber sheath of the FOC core sheath of the fiber-optic cable sheath of the strain relief 	Quartz glass Quartz glass PVC PVC Aramid fibers and glass roving
color	
<ul style="list-style-type: none"> of the FOC core sheath of cable sheath 	gray Black
bending radius	
<ul style="list-style-type: none"> with single bend / minimum permissible with multiple bends / minimum permissible 	80 mm 80 mm
tensile load	
<ul style="list-style-type: none"> during installation / short-term during operation / maximum 	1500 N 1500 N

continuous shear force per length	200 N/cm
weight per length	70 kg/km
ambient conditions	
ambient temperature	
• during operation	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• during installation	-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	
• to mineral oil	not resistant
• to grease	not resistant
• to water	conditional resistance
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	
• halogen-free	No
• silicon-free	Yes
product component / rodent protection	No
wire length	
• for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum	4000 m
• for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum	350 m
• for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum	550 m
• for glass FOC / with PROFIBUS / maximum	3000 m
standards, specifications, approvals	
certificate of suitability	
• RoHS conformity	Yes
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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