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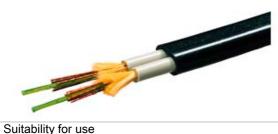
Data sheet

Product type designation Product description

Fiber optic standard cable

Flexible glass fiber-optic cable, sold by the meter, unassembled SIMATIC NET, FIBER OPTIC CABLE (62.5/125),STANDARD CABLE, SPLITTABLE, W/O CONNECTOR, SOLD BY THE METER MAX. LENGTH: 2000 M MIN. LENGTH ORDERED: 20 M

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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

Optical data	
Damping ratio per length	
• at 850 nm / maximum	3.1 dB/km
• at 1300 nm / maximum	0.8 dB/km
Bandwidth length product	
● at 850 nm	200 GHz·m
• at 1300 nm	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	
 of the optical fibers 	62.5 µm
 of the optical fiber sheath 	125 µm
 of the FOC core sheath 	3.5 mm
Width / of cable sheath	9.8 mm
Thickness / of cable sheath	6.3 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 and glass roving
Color	
 of the FOC core sheath 	Gray
• of cable sheath	Black
Bending radius	
 with single bend / minimum permissible 	80 mm
 with multiple bends / minimum permissible 	80 mm
Tensile load / during operation / maximum	1500 N
Continuous lateral force per length	200 N/cm
Weight per length	70 kg/km
Permitted ambient conditions	
Ambient temperature	
 during operation 	-40 +85 °C
 during storage 	-40 +85 °C
during transport	-40 +85 °C
during installation	-5 +50 °C
Burning behavior	Flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)
Chemical resistance	
• to mineral oil	not resistant
• to grease	not resistant
• to water	Conditional resistance
Radiological resistance / to UV radiation	resistant
Product properties, functions, components / genera	
Product property	
 halogen-free 	No
• silicon-free	Yes
Product component / Rodent protection	No
Cable 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 website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst	
• 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/automation/net/catalog	
• 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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