

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.



Technical Product Detail Page

<https://l.siemens.com/1P6XV1820-5AH10>

suitability for use

Cable for installation indoors and outdoors

version of the assembled FO cable

sold by the meter

cable designation

AT-V(ZN)YY 2X1 G 62,5/125 OM1

optical data

attenuation factor per length

- at 850 nm / maximum
- at 1300 nm / maximum

3 dB/km
0.8 dB/km

bandwidth length product

- at 850 nm
- at 1300 nm

300 GHz·m
800 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
- 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

- 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

- of the FOC core sheath
- of cable sheath

gray
Black

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

80 mm
80 mm

tensile load

- during installation / short-term

1500 N

<ul style="list-style-type: none"> during operation / maximum 	1500 N
continuous shear force per length	200 N/cm
weight per length	70 kg/km
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport during installation 	-40 ... +85 °C -40 ... +85 °C -40 ... +85 °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 	not resistant not resistant 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 / for 10GBaseLX4 / for Industrial Ethernet / maximum for glass FOC / with PROFIBUS / maximum 	4000 m 500 m 1000 m 300 m 3000 m
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity 	Yes
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
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