

product type designation

product description

Flexible fiber optic trailing cable

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

Flex. Fiber Optic Cable (62.5/125), Trailing 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/1P6XV1820-6AH10>

suitability for use

Flexible cable for installation in cable carriers indoors and outdoors

version of the assembled FO cable

sold by the meter

cable designation

AT-W11Y(ZN)11Y 2 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

Hollow core, filled, diameter 1400 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

outer diameter / of the cable

12.9 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

PUR

PUR

Aramid fibers, also GRP central element

color

- of the FOC core sheath
- of cable sheath

black

Black

bending radius

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

150 mm

150 mm

number of bending cycles

100000

tensile load

- during installation / short-term

2000 N

<ul style="list-style-type: none"> during operation / maximum 	1000 N
weight per length	130 kg/km
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	-30 ... +60 °C
<ul style="list-style-type: none"> during storage 	-30 ... +70 °C
<ul style="list-style-type: none"> during transport 	-30 ... +70 °C
<ul style="list-style-type: none"> during installation 	-30 ... +60 °C
fire behavior	flammable
class of burning behaviour / according to EN 13501-6	Fca
chemical resistance	
<ul style="list-style-type: none"> to mineral oil 	acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +100 °C, 168 h, pull speed 250 mm/min
<ul style="list-style-type: none"> to grease 	resistant
<ul style="list-style-type: none"> to water 	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 	Yes
<ul style="list-style-type: none"> silicon-free 	Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum 	4000 m
<ul style="list-style-type: none"> for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum 	500 m
<ul style="list-style-type: none"> for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum 	1000 m
<ul style="list-style-type: none"> for glass FOC / for 10GBaseLX4 / for Industrial Ethernet / maximum 	300 m
<ul style="list-style-type: none"> for glass FOC / with PROFIBUS / maximum 	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 	https://support.industry.siemens.com/cs/ww/en/view/109766358
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
<ul style="list-style-type: none"> to website: Industrial communication 	https://www.siemens.com/simatic-net
<ul style="list-style-type: none"> to web page: SiePortal 	https://sieportal.siemens.com/
<ul style="list-style-type: none"> to website: Image database 	https://www.automation.siemens.com/bilddb
<ul style="list-style-type: none"> to website: CAx-Download-Manager 	https://www.siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com
security information / header	
security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>
Approvals / Certificates	

General Product Approval

[Manufacturer Declaration](#)



[Declaration of Conformity](#)



[Fire safety / Physical security](#)

General Product Approval

Maritime application

Environment

Industrial Communication

[China RoHS](#)



[Environmental Confirmations](#)

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