

**product type designation**

product description

**Flexible fiber optic trailing cable**

Flexible glass fiber-optic cable, preferred length, preassembled

Flex. Fiber Optic Cable (62.5/125), Trailing cable, splittable, Pre-assembled with 4 BFOC connectors, length 1 m.



Technical Product Detail Page

<https://l.siemens.com/1P6XV1820-6BH10>

suitability for use

Flexible cable for installation in cable carriers indoors and outdoors

version of the assembled FO cable

Assembled with four BFOC connectors

cable designation

AT-W11Y(ZN)11Y 2 G 62,5/125 OM1

wire length

1 m

**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

<ul style="list-style-type: none"> <li>during installation / short-term</li> </ul>	2000 N
<ul style="list-style-type: none"> <li>during operation / maximum</li> </ul>	1000 N
weight per length	130 kg/km
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-30 ... +60 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-30 ... +70 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-30 ... +70 °C
<ul style="list-style-type: none"> <li>during installation</li> </ul>	-30 ... +60 °C
fire behavior	flammable
chemical resistance	
<ul style="list-style-type: none"> <li>to mineral oil</li> </ul>	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"> <li>to grease</li> </ul>	resistant
radiological resistance / to UV radiation	resistant
protection class IP	IP20
<b>product features, product functions, product components / general</b>	
product feature	
<ul style="list-style-type: none"> <li>halogen-free</li> </ul>	Yes
<ul style="list-style-type: none"> <li>silicon-free</li> </ul>	Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> <li>for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum</li> </ul>	4000 m
<ul style="list-style-type: none"> <li>for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum</li> </ul>	500 m
<ul style="list-style-type: none"> <li>for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum</li> </ul>	1000 m
<ul style="list-style-type: none"> <li>for glass FOC / with PROFIBUS / maximum</li> </ul>	3000 m
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</li> </ul>	Yes
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
<ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool</li> </ul>	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
<ul style="list-style-type: none"> <li>to website: Industrial communication</li> </ul>	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>to web page: SiePortal</li> </ul>	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
<ul style="list-style-type: none"> <li>to website: Image database</li> </ul>	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>to website: CAX-Download-Manager</li> </ul>	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information / header</b>	
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<b>Approvals / Certificates</b>	
<b>General Product Approval</b>	



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formity](#)



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tion](#)

[China RoHS](#)

General Product Ap-  
proval

Maritime application



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