

### product type designation

product description

### FC FO trailing cable

Flexible glass fiber-optic cable for assembly in the field, sold by the meter, unassembled

FC FO Trailing Cable (62.5/200/230), Trailing cable, splittable, sold by the meter, max. length 1000 m Minimum order quantity: 20 m.



Technical Product Detail Page

<https://i.siemens.com/1P6XV1847-2C>

suitability for use

Cable for high mechanical loading, for indoor and outdoor installation in cable carriers

version of the assembled FO cable

sold by the meter

cable designation

AT-V(ZN)Y(ZN)11Y 2GK 62,5/200/230 OM1

### optical data

attenuation factor per length

- at 850 nm / maximum 3.2 dB/km
- at 1300 nm / maximum 0.9 dB/km

bandwidth length product

- at 850 nm 200 GHz·m
- at 1300 nm 500 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

Multi-mode gradient fiber 62.5/200/230 µm

design of the FOC core

Fixed core

design of the fiber-optic cable

Segmentable cable

outer diameter

- of the optical fibers 62.5 µm
- of the optical fiber sheath 230 µm
- of the FOC core sheath 2.2 mm

symmetrical deviation / of the outer diameter of the FOC core sheath

0.1 mm

outer diameter / of the cable

8.8 mm

symmetrical deviation / of the outer diameter of the line

0.5 mm

material

- of the fiber-optic cable core Quartz glass
- of the optical fiber sheath ETFE
- of the FOC core sheath PVC
- of the fiber-optic cable sheath PUR
- of the strain relief Aramid fibers (double-ply)

color

- of the FOC core sheath orange/black
- of cable sheath green

bending radius

- with single bend / minimum permissible 88 mm

<ul style="list-style-type: none"> <li>• with multiple bends / minimum permissible</li> </ul>	88 mm
<ul style="list-style-type: none"> <li>• with continuous bending</li> </ul>	88 mm
number of bending cycles	5000000
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>	800 N
short-term shear force per length	500 N/cm
continuous shear force per length	300 N/cm
weight per length	65 kg/km
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +75 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-30 ... +75 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-30 ... +75 °C
<ul style="list-style-type: none"> <li>• during installation</li> </ul>	-5 ... +50 °C
fire behavior	flame-resistant acc. to IEC 60332-1-2
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
<ul style="list-style-type: none"> <li>• to mineral oil</li> </ul>	resistant
<ul style="list-style-type: none"> <li>• to grease</li> </ul>	resistant
<ul style="list-style-type: none"> <li>• to water</li> </ul>	conditional resistance
radiological resistance / to UV radiation	resistant
<b>product features, product functions, product components / general</b>	
product feature	
<ul style="list-style-type: none"> <li>• halogen-free</li> </ul>	No
<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>	3000 m
<ul style="list-style-type: none"> <li>• for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum</li> </ul>	350 m
<ul style="list-style-type: none"> <li>• for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum</li> </ul>	550 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>	
security information	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 <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . 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)

Approvals / Certificates

General Product Approval



[China RoHS](#)



[Manufacturer Declaration](#)

[Declaration of Conformity](#)

[Fire safety / Physical security](#)

General Product Approval

other

Environment

Industrial Communication



[Miscellaneous](#)

[Environmental Confirmations](#)

[PROFINET](#)

last modified:

11/11/2025