

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"> • with multiple bends / minimum permissible 	88 mm
<ul style="list-style-type: none"> • with continuous bending 	88 mm
number of bending cycles	5000000
tensile load	
<ul style="list-style-type: none"> • during installation / short-term 	2000 N
<ul style="list-style-type: none"> • during operation / maximum 	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
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation 	-25 ... +75 °C
<ul style="list-style-type: none"> • during storage 	-30 ... +75 °C
<ul style="list-style-type: none"> • during transport 	-30 ... +75 °C
<ul style="list-style-type: none"> • during installation 	-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"> • to mineral oil 	resistant
<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 	No
<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 	3000 m
<ul style="list-style-type: none"> • for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum 	350 m
<ul style="list-style-type: none"> • for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum 	550 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	
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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](#)

[Environmental Confirmations](#)

[PROFINET](#)

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