

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.



suitability for use

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

cable designation

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

optical data

attenuation factor per length

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

3.2 dB/km
0.9 dB/km

bandwidth length product

- at 850 nm
- at 1300 nm

200 GHz·m
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
- of the optical fiber sheath
- of the FOC core sheath

62.5 μm
230 μm
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
- of the optical fiber sheath
- of the FOC core sheath
- of the fiber-optic cable sheath
- of the strain relief

Quartz glass
ETFE
PVC
PUR
Aramid fibers (double-ply)

color

- of the FOC core sheath
- of cable sheath

orange/black
green

bending radius

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

88 mm
88 mm
88 mm

number of bending cycles

5000000

tensile load	
<ul style="list-style-type: none"> during installation / short-term during operation / maximum 	<p>2000 N</p> <p>800 N</p>
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 during storage during transport during installation 	<p>-25 ... +75 °C</p> <p>-30 ... +75 °C</p> <p>-30 ... +75 °C</p> <p>-5 ... +50 °C</p>
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 to grease to water 	<p>resistant</p> <p>resistant</p> <p>conditional resistance</p>
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 	<p>No</p> <p>Yes</p>
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 / with PROFIBUS / maximum 	<p>3000 m</p> <p>350 m</p> <p>550 m</p> <p>3000 m</p>
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity 	Yes
reference code	
<ul style="list-style-type: none"> according to IEC 81346-2 according to IEC 81346-2:2019 	<p>WH</p> <p>WHA</p>
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool to website: Industrial communication to website: Industry Mall to website: Information and Download Center to website: Selection guide for cables and connectors to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	<p>http://www.siemens.com/tia-selection-tool</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>https://sie.ag/2QdlxcP</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>

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