

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 50 m.



suitability for use

version of the assembled FO cable

cable designation

wire length

Flexible cable for installation in cable carriers indoors and outdoors
Assembled with four BFOC connectors
AT-W11Y(ZN)11Y 2 G 62,5/125 OM1
50 m

optical data

attenuation factor per length

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

3.1 dB/km
0.8 dB/km

bandwidth length product

- at 850 nm
- at 1300 nm

200 GHz·m
600 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
- during operation / maximum

2000 N
1000 N

weight per length

130 kg/km

ambient conditions

ambient temperature

- during operation -30 ... +60 °C
- during storage -30 ... +70 °C
- during transport -30 ... +70 °C
- during installation -30 ... +60 °C

fire behavior

flammable

chemical resistance

- 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
- to grease resistant

radiological resistance / to UV radiation

resistant

protection class IP

IP20

product features, product functions, product components / general

product feature

- halogen-free Yes
- silicon-free Yes

product component / rodent protection

No

wire length

- for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum 4000 m
- for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum 350 m
- for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum 550 m
- for glass FOC / with PROFIBUS / maximum 3000 m

standards, specifications, approvals

certificate of suitability

- RoHS conformity Yes

reference code

- according to IEC 81346-2 WH
- according to IEC 81346-2:2019 WHA

further information / internet-Links

Internet-Link

- to web page: selection aid TIA Selection Tool <http://www.siemens.com/tia-selection-tool>
- to website: Industrial communication <http://www.siemens.com/simatic-net>
- to website: Industry Mall <https://mall.industry.siemens.com>
- to website: Information and Download Center <http://www.siemens.com/industry/infocenter>
- to website: Selection guide for cables and connectors <https://sie.ag/2QdlxcP>
- to website: Image database <http://automation.siemens.com/bilddb>
- to website: CAX-Download-Manager <http://www.siemens.com/cax>
- to website: Industry Online Support <https://support.industry.siemens.com>

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