

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

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

50 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

- 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 | 500 m |
| • for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum | 1000 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 |

last modified:

2/14/2023 