

### 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 1 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

1 m

### optical data

#### attenuation factor per length

- at 850 nm / maximum 3 dB/km
- at 1300 nm / maximum 0.8 dB/km

#### bandwidth length product

- at 850 nm 300 GHz·m
- at 1300 nm 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 62.5 µm
- of the optical fiber sheath 125 µm
- of the FOC core sheath 3.5 mm

#### outer diameter / of the cable

12.9 mm

#### material

- of the fiber-optic cable core Quartz glass
- of the optical fiber sheath Quartz glass
- of the FOC core sheath PUR
- of the fiber-optic cable sheath PUR
- of the strain relief Aramid fibers, also GRP central element

#### color

- of the FOC core sheath black
- of cable sheath Black

#### bending radius

- with single bend / minimum permissible 150 mm
- with multiple bends / minimum permissible 150 mm

#### number of bending cycles

100000

#### tensile load

- during installation / short-term 2000 N
- during operation / maximum 1000 N

|                                                                          |                                                                                                       |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| weight per length                                                        | 130 kg/km                                                                                             |
| <b>ambient conditions</b>                                                |                                                                                                       |
| 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                                                                                                  |
| <b>product features, product functions, product components / general</b> |                                                                                                       |
| 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                                                                                                |
| <b>standards, specifications, approvals</b>                              |                                                                                                       |
| certificate of suitability                                               |                                                                                                       |
| • RoHS conformity                                                        | Yes                                                                                                   |
| reference code                                                           |                                                                                                       |
| • according to IEC 81346-2                                               | WH                                                                                                    |
| • according to IEC 81346-2:2019                                          | WHA                                                                                                   |
| <b>further information / internet links</b>                              |                                                                                                       |
| internet link                                                            |                                                                                                       |
| • to web page: selection aid TIA Selection Tool                          | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>     |
| • to website: Industrial communication                                   | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                   |
| • to website: Industry Mall                                              | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                     |
| • to website: Information and Download Center                            | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>   |
| • to website: Selection guide for cables and connectors                  | <a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>                                           |
| • to website: Image database                                             | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>               |
| • to website: CAX-Download-Manager                                       | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                   |
| • to website: Industry Online Support                                    | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>               |
| last modified:                                                           | 2/14/2023          |