

### 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 30 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	30 m
<b>Optical data</b>	
Damping ratio per length	
• at 850 nm / maximum	3.1 dB/km
• at 1300 nm / maximum	0.8 dB/km
Bandwidth length product	
• at 850 nm	200 GHz·m
• at 1300 nm	600 GHz·m
<b>Mechanical data</b>	
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 <ul style="list-style-type: none"> <li>• of the optical fibers</li> <li>• of the optical fiber sheath</li> <li>• of the FOC core sheath</li> </ul>	62.5 µm 125 µm 3.5 mm
Outer diameter / of the cable	12.9 mm
Material <ul style="list-style-type: none"> <li>• of the fiber-optic cable core</li> <li>• of the optical fiber sheath</li> <li>• of the FOC core sheath</li> <li>• of the fiber-optic cable sheath</li> <li>• of the strain relief</li> </ul>	Quartz glass Quartz glass PUR PUR Aramid fibers, also GRP central element
Color <ul style="list-style-type: none"> <li>• of the FOC core sheath</li> <li>• of cable sheath</li> </ul>	black Black
Bending radius <ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> </ul>	150 mm 150 mm
Number of bending cycles	100000
Tensile load <ul style="list-style-type: none"> <li>• during installation / short-term</li> <li>• during operation / maximum</li> </ul>	2000 N 1000 N
Weight per length	130 kg/km

#### Ambient conditions

Ambient temperature <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul>	-30 ... +60 °C -30 ... +70 °C -30 ... +70 °C -30 ... +60 °C
Burning behavior	flammable
Chemical resistance <ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> </ul>	acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +100 °C, 168 h, pull speed 250 mm/min resistant
Radiological resistance / to UV radiation	resistant
Protection class IP	IP20

#### Product features, product functions, product components / general

Product feature <ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	Yes 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 |
|-------------------|-----|

### Further information / Internet-Links

#### Internet-Link

- |   |   |
|---|---|
| • to website: Selector SIMATIC NET SELECTION TOOL | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</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: 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>             |

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