

### Product type designation

Product description

### Flexible fiber optic trailing cable

Flexible glass fiber-optic cable, sold by the meter, unassembled SIMATIC NET, FLEXIBLE FIBER OPTIC CABLE (62.5/125), TRAILING CABLE, SPLITTABLE, WITHOUT CONNECTOR, SOLD BY THE METER MAX. CONSIGNMENT: 2000 M MIN. ORDER QUANTITY: 20 M



Suitability for use	Flexible cable for installation in cable carriers indoors and outdoors
Version of the assembled FO cable	For assembly with four BFOC connectors
Cable designation	AT-W11Y(ZN)11Y 2 G 62.5/125

### Optical data

Damping ratio per length	
<ul style="list-style-type: none"> <li>• at 850 nm / maximum</li> <li>• at 1300 nm / maximum</li> </ul>	<p>3.1 dB/km</p> <p>0.8 dB/km</p>
Bandwidth length product	
<ul style="list-style-type: none"> <li>• at 850 nm</li> <li>• at 1300 nm</li> </ul>	<p>200 GHz·m</p> <p>600 GHz·m</p>

### 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	
<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>	<p>62.5 µm</p> <p>125 µm</p> <p>3.5 mm</p>
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>	<p>Quartz glass</p> <p>Quartz glass</p> <p>PUR</p> <p>PUR</p> <p>Aramid fibers, also GRP central element</p>
Color	
<ul style="list-style-type: none"> <li>• of the FOC core sheath</li> <li>• of cable sheath</li> </ul>	<p>Black</p> <p>Black</p>
Bending radius	
<ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> </ul>	<p>150 mm</p> <p>150 mm</p>
Number of bending cycles	100000
Tensile load / during operation / maximum	1000 N
Weight per length	130 kg/km

#### Permitted 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>	<p>-30 ... +60 °C</p> <p>-30 ... +70 °C</p> <p>-30 ... +70 °C</p> <p>-30 ... +60 °C</p>
Burning behavior	Flammable
Chemical resistance	
<ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> <li>• to water</li> </ul>	<p>acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +100 °C, 168 h, pull speed 250 mm/min</p> <p>resistant</p> <p>Conditional resistance</p>
Radiological resistance / to UV radiation	resistant

#### Product properties, functions, components / general

Product property	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	<p>Yes</p> <p>Yes</p>
Product component / Rodent protection	No
Cable length	
<ul style="list-style-type: none"> <li>• for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum</li> <li>• for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum</li> <li>• for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum</li> <li>• for glass FOC / with PROFIBUS / maximum</li> </ul>	<p>4000 m</p> <p>350 m</p> <p>550 m</p> <p>3000 m</p>

#### Standards, specifications, approvals

Certificate of suitability

- RoHS conformity

Yes

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/automation/net/catalog>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

**last modified:**

16.03.2015