

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 100 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	100 m

Optical data

Damping ratio per length	
<ul style="list-style-type: none"> at 850 nm / maximum at 1300 nm / maximum 	3.1 dB/km 0.8 dB/km
Bandwidth length product	
<ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • of the FOC core sheath • of cable sheath 	black Black
Bending radius <ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible 	150 mm 150 mm
Number of bending cycles	100000
Tensile load <ul style="list-style-type: none"> • during installation / short-term • during operation / maximum 	2000 N 1000 N
Weight per length	130 kg/km

Ambient conditions

Ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	-30 ... +60 °C -30 ... +70 °C -30 ... +70 °C -30 ... +60 °C
Burning behavior	flammable
Chemical resistance <ul style="list-style-type: none"> • to mineral oil • to grease 	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"> • halogen-free • silicon-free 	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 | http://www.siemens.com/snst |
| • 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: 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:

06/24/2020