

product type designation	Flexible fiber optic trailing cable
product description	Flexible glass fiber-optic cable, sold by the meter, unassembled
suitability for use	Flex. Fiber Optic Cable (62.5/125), Trailing cable, splittable, without connector, sold by the meter, max. length 2000 m Minimum order quantity: 20 m.
cable designation	Flexible cable for installation in cable carriers indoors and outdoors AT-W11Y(ZN)11Y 2 G 62,5/125 OM1
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
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
class of burning behaviour / according to EN 13501-6	Fca
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
• to water	conditional resistance

radiological resistance / to UV radiation	resistant
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 / for 10GBaseLX4 / for Industrial Ethernet / maximum	300 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
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