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Data sheet 6XV1847-2C

product type designation	**FC FO trailing cable**
product description	Flexible glass fiber-optic cable for assembly in the field, sold by the meter, unassembled
	FC FO Trailing Cable (62.5/200/230), Trailing cable, splittable, sold by the meter, max. length 1000 m Minimum order quantity: 20 m.

suitability for use	Cable for high mechanical loading, for indoor and outdoor installation in cable carriers
version of the assembled FO cable	sold by the meter
cable designation	AT-V(ZN)Y(ZN)11Y 2GK 62,5/200/230 OM1
optical data	
attenuation factor per length	
● at 850 nm / maximum	3.2 dB/km
● at 1300 nm / maximum	0.9 dB/km
bandwidth length product	
● at 850 nm	200 GHz·m
● at 1300 nm	500 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	Multi-mode gradient fiber 62.5/200/230 µm
design of the FOC core	Fixed core
design of the fiber-optic cable	Segmentable cable
outer diameter	
● of the optical fibers	62.5 µm
● of the optical fiber sheath	230 µm
● of the FOC core sheath	2.2 mm
symmetrical deviation / of the outer diameter of the FOC core sheath	0.1 mm
outer diameter / of the cable	8.8 mm
symmetrical deviation / of the outer diameter of the line	0.5 mm
material	
● of the fiber-optic cable core	Quartz glass
● of the optical fiber sheath	ETFE
● of the FOC core sheath	PVC
● of the fiber-optic cable sheath	PUR
● of the strain relief	Aramid fibers (double-ply)
color	
● of the FOC core sheath	orange/black
● of cable sheath	green
bending radius	
● with single bend / minimum permissible	88 mm
● with multiple bends / minimum permissible	88 mm
● with continuous bending	88 mm

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number of bending cycles	5000000
tensile load	
● during installation / short-term	2000 N
● during operation / maximum	800 N
short-term shear force per length	500 N/cm
continuous shear force per length	300 N/cm
weight per length	65 kg/km
ambient conditions	
ambient temperature	
● during operation	-25 ... +75 °C
● during storage	-30 ... +75 °C
● during transport	-30 ... +75 °C
● during installation	-5 ... +50 °C
fire behavior	flame-resistant acc. to IEC 60332-1-2
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
● to mineral oil	resistant
● to grease	resistant
● to water	conditional resistance
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	
● halogen-free	No
● silicon-free	Yes
product component / rodent protection	No
wire length	
● for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum	3000 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
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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