SIEMENS

Data sheet 6XV1820-6BT10

product type designation product description

suitability for use

Flexible fiber optic trailing cable

Flexible glass fiber-optic cable, preferred length, preassembled

Flexible cable for installation in cable carriers indoors and outdoors

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	
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

ambient temperature	weight per length	130 kg/km
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