SIEMENS

Data sheet

6XV1820-5BH50

product type designation product description

Fiber optic standard cable

Flexible glass fiber-optic cable, preferred length, preassembled

fiber optic cable (62.5/125), standard cable, splittable, pre-assembled with 4 BFOC connectors, length 5 m.



suitability for use	Cable for installation indoors and outdoors		
version of the assembled FO cable	Assembled with four BFOC connectors		
cable designation	AT-V(ZN)YY 2X1 G 62,5/125 OM1		
wire length	5 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 $\mu m,$ OM 1		
design of the FOC core	Compact core, diameter 900 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		
width / of cable sheath	9.8 mm		
thickness / of cable sheath	6.3 mm		
material			
 of the fiber-optic cable core 	Quartz glass		
 of the optical fiber sheath 	Quartz glass		
 of the FOC core sheath 	PVC		
 of the fiber-optic cable sheath 	PVC		
of the strain relief	Aramid fibers and glass roving		
color			
 of the FOC core sheath 	gray		
of cable sheath	Black		
bending radius			
 with single bend / minimum permissible 	80 mm		
 with multiple bends / minimum permissible 	80 mm		
tensile load			
 during installation / short-term 	1500 N		
 during operation / maximum 	1500 N		

weight per length 70 kg/km ambient excertations	continuous shear force per length	150 N/cm
ambient temperature		70 kg/km
ambient temperature • during storage • during		
• during persplane 40		
 40 - 48 °C 40 - 40 - 48 °C 40 - 40 °C 40 °C 40		-40 +85 °C
- during installation - during inst		
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