SIEMENS

Data sheet 6XV1820-6BN50

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 50 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 | 50 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 | |
|--|---|--|--|
| ambient temperature • during peration • during storage • during transport • during installation • to mineral oi • to mineral oi • to grease radiological resistance • to mineral oi • to grease radiological resistance / to LU radiation protection class IP PEQ Product features, product functions, product components / general product geature • halogen-free • silicon-free • ladiogen-free • silicon-free • ror glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass FOC / for 1008aseFX / for Industrial Ethernet / maximum • for glass | | | |
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| product feature | protection class IP | IP20 | |
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