## **SIEMENS**

Data sheet 6XV1820-6BN75

## 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 75 m.



suitability for use	r lexible 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	75 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	
<ul> <li>of the optical fibers</li> </ul>	62.5 µm
<ul> <li>of the optical fiber sheath</li> </ul>	125 µm
<ul> <li>of the FOC core sheath</li> </ul>	3.5 mm
outer diameter / of the cable	12.9 mm
material	
<ul> <li>of the fiber-optic cable core</li> </ul>	Quartz glass
<ul> <li>of the optical fiber sheath</li> </ul>	Quartz glass
<ul> <li>of the FOC core sheath</li> </ul>	PUR
<ul> <li>of the fiber-optic cable sheath</li> </ul>	PUR
of the strain relief	Aramid fibers, also GRP central element
color	
<ul> <li>of the FOC core sheath</li> </ul>	black
of cable sheath	Black
bending radius	
<ul> <li>with single bend / minimum permissible</li> </ul>	150 mm
<ul> <li>with multiple bends / minimum permissible</li> </ul>	150 mm
number of bending cycles	100000
tensile load	
<ul> <li>during installation / short-term</li> </ul>	2000 N
<ul> <li>during operation / maximum</li> </ul>	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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chemical resistance			
acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +100 °C, 168 h, pull speed 250 mm/min to to grease radiological resistance / to UV radiation protection class IP roduct feature halogen-free halogen-free silicon-free roduct component / rodent protection No wire length for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum for glass FOC / for 100BaseSX / for Industrial Ethernet / maximum for glass FOC / for 100BaseSX / for Industrial Ethernet / maximum  for glass FOC / for 100BaseSX / for Industrial Ethernet / maximum  for glass FOC / for 100BaseLX / for Industrial Ethernet / maximum  for glass FOC / for 100BaseLX / for Industrial Ethernet / maximum  for glass FOC / for 100BaseLX / for Industrial Ethernet / maximum  for glass FOC / for 100BaseLX / for Industrial Ethernet / maximum  for glass FOC / for 100BaseLX / for Industrial Ethernet / maximum  for glass FOC / for 100BaseLX / for Industrial Ethernet / maximum  for glass FOC / with PROFIBUS			
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