

Siemens 6XV1820-5BH10 Manual

Brand	Siemens
Product Series	Siemens
Product Type	designation Fiber optic standard cable

Description

6XV1820-5BH10

product type designation Fiber optic standard cable

product description Flexible glass fiber-optic cable, preferred length, preassembled fiber optic cable (62.5/125), standard cable, splittable, pre-assembled with 4 BFOC connectors, length 1 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 1 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 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

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- 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

continuous shear force per length 150 N/cm

weight per length 70 kg/km

ambient conditions

ambient temperature

- during operation -40 ... +85 °C
- during storage -40 ... +85 °C
- during transport -40 ... +85 °C
- during installation -5 ... +50 °C

fire behavior flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)

chemical resistance

- to mineral oil not resistant
- to grease not resistant

radiological resistance / to UV radiation resistant

protection class IP IP20

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

4000 m

- for glass FOC / for 1000BaseSX / for Industrial Ethernet /

maximum

500 m

- for glass FOC / for 1000BaseLX / for Industrial Ethernet /

maximum

1000 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

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