

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 200 m.



suitability for use

version of the assembled FO cable

cable designation

wire length

Cable for installation indoors and outdoors

Assembled with four BFOC connectors

AT-V(ZN)YY 2X1 G 62,5/125 OM1

200 m

optical data

attenuation factor per length

- at 850 nm / maximum
- at 1300 nm / maximum

3 dB/km

0.8 dB/km

bandwidth length product

- at 850 nm
- at 1300 nm

300 GHz·m

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
- of the optical fiber sheath
- of the FOC core sheath

62.5 µm

125 µm

3.5 mm

width / of cable sheath

9.8 mm

thickness / of cable sheath

6.3 mm

material

- of the fiber-optic cable core
- of the optical fiber sheath
- of the FOC core sheath
- of the fiber-optic cable sheath
- of the strain relief

Quartz glass

Quartz glass

PVC

PVC

Aramid fibers and glass roving

color

- of the FOC core sheath
- of cable sheath

gray

Black

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

80 mm

80 mm

tensile load

- during installation / short-term
- during operation / maximum

1500 N

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 |
| further information / internet-Links | |
| Internet-Link | |
| • to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| • to website: Selection guide for cables and connectors | https://sie.ag/2QdlxcP |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx-Download-Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |
| last modified: | 2/14/2023  |