

product type designation

product description

SM FO CORD ST(BFOC)/LC, 9/125

Singlemode glass fiber-optic cable, preassembled

SM FO Cord BFOC/LC; 9/125; pre-assembled with 1x LC duplex plug and 2x BFOC connectors; length 1.0 m.



suitability for use

version of the assembled FO cable

cable designation

wire length

Cable for applications in the control cabinet

Pre-assembled with 1x LC DUPLEX connector and 2x BFOC connector

I-V(ZN)H 2E9/125 G.652D

1 m

optical data

attenuation factor per length

- at 1300 nm / maximum
- at 1550 nm / maximum

0.4 dB/km

0.3 dB/km

mechanical data

number of fibers / per FOC core

1

number of FO cores / per FOC cable

2

version of the FO conductor fiber

Singlemode glass fiber 9/125 µm

design of the FOC core

Fixed core

outer diameter

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

9 µm

125 µm

2.8 mm

width / of cable sheath

5.9 mm

thickness / of cable sheath

2.8 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

FR-LSZH

LSZH

Aramid fibers

color

- of the FOC core sheath

green/green

bending radius

- with single bend / minimum permissible

42 mm

tensile load

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

500 N

500 N

continuous shear force per length

100 N/cm

ambient conditions

ambient temperature

- during operation
- during storage
- during transport
- during installation

-30 ... +70 °C

-30 ... +70 °C

-30 ... +70 °C

-5 ... +50 °C

fire behavior	flame-resistant acc. to IEC 60332-3-22 (Cat. A)
protection class IP	IP20
product features, product functions, product components / general	
product feature	
• halogen-free	Yes
• silicon-free	Yes
product component / rodent protection	No
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:	5/10/2022 