

**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

Cable for applications in the control cabinet

version of the assembled FO cable

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

cable designation

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

wire length

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

-30 ... +70 °C  
-30 ... +70 °C  
-30 ... +70 °C

|  |  |
|--|--|
| • during installation  | -5 ... +50 °C  |
| fire behavior  | flame-resistant acc. to IEC 60332-3-22 (Cat. A)  |
| protection class IP  | IP20   |
| <b>product features, product functions, product components / general</b> |  |
| product feature  |  |
| • halogen-free   | Yes  |
| • silicon-free   | Yes  |
| product component / rodent protection                                    | No   |
| <b>standards, specifications, approvals</b>                              |  |
| certificate of suitability   |  |
| • RoHS conformity  | Yes  |
| reference code   |  |
| • according to IEC 81346-2   | WH   |
| • according to IEC 81346-2:2019  | WHA  |
| <b>further information / internet links</b>                              |  |
| internet link  |  |
| • to website: Selection guide for cables and connectors                  | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>  |
| • to web page: selection aid TIA Selection Tool                          | <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>  |
| • to website: Industrial communication                                   | <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>  |
| • to web page: SiePortal   | <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>  |
| • to website: Image database   | <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>  |
| • to website: CAX-Download-Manager                                       | <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>  |
| • to website: Industry Online Support                                    | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>  |
| <b>security information / header</b>                                     |  |
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#### Approvals / Certificates

General Product Approval

Industrial Communication



[Manufacturer Declaration](#)

[Declaration of Conformity](#)

[PROFINET](#)

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