

product type designation

product description

SM FO CORD LC/LC, 9/125

Singlemode glass fiber-optic cable, preassembled

SM FO Cord LC/LC; 9/125, pre-assembled with 2x LC duplex connectors, length 2.0 m.



Figure similar

suitability for use

Cable for applications in the control cabinet

version of the assembled FO cable

Pre-assembled with 2x LC DUPLEX connectors

cable designation

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

wire length

2 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

-30 ... +70 °C  
-30 ... +70 °C

|                                                                         |                                                 |
|-------------------------------------------------------------------------|-------------------------------------------------|
| <ul style="list-style-type: none"> <li>• during transport</li> </ul>    | -30 ... +70 °C                                  |
| <ul style="list-style-type: none"> <li>• during installation</li> </ul> | -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                                                  |     |
| <ul style="list-style-type: none"> <li>• halogen-free</li> </ul> | Yes |
| <ul style="list-style-type: none"> <li>• silicon-free</li> </ul> | Yes |
| product component / rodent protection                            | No  |

#### standards, specifications, approvals

|                                                                                   |     |
|-----------------------------------------------------------------------------------|-----|
| certificate of suitability                                                        |     |
| <ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>               | Yes |
| reference code                                                                    |     |
| <ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> </ul>      | WH  |
| <ul style="list-style-type: none"> <li>• according to IEC 81346-2:2019</li> </ul> | WHA |

#### further information / internet links

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| internet link                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a><br><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a><br><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a><br><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a><br><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a><br><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |

#### security information / header

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#### Approvals / Certificates

##### General Product Approval



[Manufacturer Declaration](#)

[Declaration of Conformity](#)

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