

### product type designation

### product description

### MM FO CORD LC/LC, 50/125

Multimode glass fiber-optic cable, preassembled

MM FO Cord LC/LC; 50/125; pre-assembled with 2x LC Duplex connectors; length 1.0 m.



### 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 2x50/125 OM4

### wire length

1 m

### optical data

#### attenuation factor per length

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

3.5 dB/km  
1.5 dB/km

#### bandwidth length product

- at 850 nm
- at 1300 nm

500 GHz·m  
1300 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

Multi-mode gradient fiber 50/125 µm, OM 4

#### design of the FOC core

Fixed core

#### outer diameter

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

50 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

<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>during installation</li> </ul>	-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	
<ul style="list-style-type: none"> <li>halogen-free</li> <li>silicon-free</li> </ul>	Yes 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> <li>according to IEC 81346-2:2019</li> </ul>	WH WHA

#### further information / internet links

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> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <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	Environment		
 EG-Konf.		 CCC	<a href="#">Manufacturer Declaration</a>
			<a href="#">Declaration of Conformity</a>
			<a href="#">Confirmation</a>

#### Industrial Communication

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