

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 OM2

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 2

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

• 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 • silicon-free	Yes Yes
product component / rodent protection	No
standards, specifications, approvals	
certificate of suitability	
• RoHS conformity	Yes
reference code	
• according to IEC 81346-2 • according to IEC 81346-2:2019	WH WHA
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com

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