

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, PREASSEMBLED WITH 2X2 LC
DUPLEX CONNECTORS, LENGTH 1.0 M



Figure similar

Suitability for use	Cable for applications in the control cabinet
Version of the assembled FO cable	Preassembled with 2 x 2 LC DUPLEX connectors
Cable designation	I-V(ZN)H 2E9/125 G.652D
Wire length	1 m

Optical data

Damping ratio per length	
<ul style="list-style-type: none"> at 1300 nm / maximum 	0.4 dB/km
<ul style="list-style-type: none"> at 1550 nm / maximum 	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	
<ul style="list-style-type: none"> of the optical fibers 	9 μm
<ul style="list-style-type: none"> of the optical fiber sheath 	125 μm
<ul style="list-style-type: none"> of the FOC core sheath 	2.8 mm

Width / of cable sheath	5.9 mm
Thickness / of cable sheath	2.8 mm
Material	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • of the FOC core sheath 	green/green
Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible 	42 mm
Tensile load	
<ul style="list-style-type: none"> • during installation / short-term • during operation / maximum 	500 N 500 N
Continuous lateral force per length	100 N/cm
Weight per length	19 kg/km

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	-20 ... +70 °C -25 ... +70 °C -25 ... +70 °C -10 ... +70 °C
Burning behavior	flame-resistant acc. to IEC 60332-3-22 (Cat. A)
Protection class IP	IP20

Product properties, functions, components / general

Product feature	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	Yes Yes
Product component / Rodent protection	No

Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database 	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb

- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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