

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 2x2 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 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 μ m
design of the FOC core	Fixed core
outer diameter	
<ul style="list-style-type: none"> of the optical fibers 	9 μ m
<ul style="list-style-type: none"> of the optical fiber sheath 	125 μ m
<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

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 features, product functions, product 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>

last modified:

09/07/2020