

Product type designation

Product description

SM FO CORD SC/LC, 9/125

Singlemode glass fiber-optic cable, preassembled
SM FO CORD SC/LC; 9/125, PREASSEMBLED WITH 1X SC
DUPLEX CONNECTOR AND 1X 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	Assembled with 1x SC DUPLEX connector and 1x LC DUPLEX connector
Cable designation	I-V(ZN)H 2E9/125 G.652D
Cable 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 	Quartz glass
<ul style="list-style-type: none"> of the optical fiber sheath 	Quartz glass

<ul style="list-style-type: none"> • of the FOC core sheath • of the fiber-optic cable sheath • of the strain relief 	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 / during operation / maximum	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 property <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
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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 • to website: CAx Download Manager • to website: Industry Online Support 	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/automation/net/catalog http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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last modified: 16.03.2015