

product type designation

product description

SM FO CORD SC/BFOC, 9/125

Singlemode glass fiber-optic cable, preassembled

SM FO Cord SC/BFOC; 9/125, pre-assembled with 1x SC duplex connectors and 1x, BFOC connectors; length 1.0 m.



Figure similar

suitability for use

Cable for applications in the control cabinet

version of the assembled FO cable

Pre-assembled with 1x SC DUPLEX connector and 2x, BFOC connector

cable designation

I-V(ZN)H 2E9/125 G.652D

wire length

1 m

optical data

attenuation factor per length

- at 1300 nm / maximum
- at 1550 nm / maximum

0.4 dB/km
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

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

9 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

-30 ... +70 °C
-30 ... +70 °C

- during transport - during installation	-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 website: Selection guide for cables and connectors - to web page: selection aid TIA Selection Tool - to website: Industrial communication - to web page: SiePortal - to website: Image database - to website: CAX-Download-Manager - to website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

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Approvals / Certificates

General Product Approval	Environment
 EG-Konf.	 UKCA
Declaration of Conformity	 CCC
	Manufacturer Declaration
	Confirmation

Industrial Communication

[PROFINET](#)

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