

### 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, pre-assembled with 1x SC duplex connector and 1x LC duplex connector; 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 1x LC DUPLEX connector
cable designation	I-V(ZN)H 2E9/125 G.652D
wire length	1 m
<b>optical data</b>	
attenuation factor per length	
• at 1300 nm / maximum	0.4 dB/km
• at 1550 nm / maximum	0.3 dB/km
<b>mechanical data</b>	
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	9 µm
• of the optical fiber sheath	125 µm
• of the FOC core sheath	2.8 mm
width / of cable sheath	5.9 mm
thickness / of cable sheath	2.8 mm
material	
• of the fiber-optic cable core	Quartz glass
• of the optical fiber sheath	Quartz glass
• of the FOC core sheath	FR-LSZH
• of the fiber-optic cable sheath	LSZH
• of the strain relief	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	500 N
• during operation / maximum	500 N
continuous shear force per length	100 N/cm
<b>ambient conditions</b>	
ambient temperature	
• during operation	-30 ... +70 °C
• during storage	-30 ... +70 °C

<ul style="list-style-type: none"> <li>during transport</li> <li>during installation</li> </ul>	-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	
<ul style="list-style-type: none"> <li>halogen-free</li> <li>silicon-free</li> </ul>	Yes Yes
product component / rodent protection	No

#### standards, specifications, approvals

certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</li> </ul>	Yes
reference code	
<ul style="list-style-type: none"> <li>according to IEC 81346-2</li> <li>according to IEC 81346-2:2019</li> </ul>	WH WHA

#### further information / internet links

internet link	
<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to web page: SiePortal</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

#### security information / header

security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a>. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert.">https://www.siemens.com/cert.</a> (V4.7)</p>
----------------------	--

#### Approvals / Certificates

General Product Approval	Environment
 EG-Konf.	<a href="#">Declaration of Conformity</a>
	 CCC
	<a href="#">Manufacturer Declaration</a>
	<a href="#">Confirmation</a>

#### Industrial Communication

[PROFINET](#)

last modified:	8/9/2024 
----------------	--