# **SIEMENS**

### **Data sheet**

## 6XV1843-5FH10-0CA0

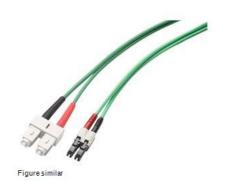
# product type designation

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.



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
optical data	
attenuation factor per length	
• at 1300 nm / maximum	0.4 dB/km
• 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> <li>of the optical fibers</li> </ul>	9 µm
<ul> <li>of the optical fiber sheath</li> </ul>	125 μm
<ul> <li>of the FOC core sheath</li> </ul>	2.8 mm
width / of cable sheath	5.9 mm
thickness / of cable sheath	2.8 mm
material	
<ul> <li>of the fiber-optic cable core</li> </ul>	Quartz glass
<ul> <li>of the optical fiber sheath</li> </ul>	Quartz glass
<ul> <li>of the FOC core sheath</li> </ul>	FR-LSZH
<ul> <li>of the fiber-optic cable sheath</li> </ul>	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	
<ul> <li>during installation / short-term</li> </ul>	500 N
during operation / maximum	500 N
continuous shear force per length	100 N/cm
ambient conditions	
ambient temperature	

<ul><li>during operation</li></ul>	-30 +70 °C	
<ul> <li>during storage</li> </ul>	-30 +70 °C	
during transport	-30 +70 °C	
during installation	-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><li>halogen-free</li></ul>	Yes	
• silicon-free	Yes	
product component / rodent protection	No	
standards, specifications, approvals		
certificate of suitability		
RoHS conformity	Yes	
reference code		
<ul> <li>according to IEC 81346-2</li> </ul>	WH	
<ul> <li>according to IEC 81346-2:2019</li> </ul>	WHA	
further information / internet-Links		
Internet-Link		
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool	
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net	
<ul><li>to website: Industry Mall</li></ul>	https://mall.industry.siemens.com	
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter	
<ul> <li>to website: Selection guide for cables and connectors</li> </ul>	https://sie.ag/2QdlxcP	
<ul><li>to website: Image database</li></ul>	http://automation.siemens.com/bilddb	
<ul><li>to website: CAx-Download-Manager</li></ul>	http://www.siemens.com/cax	
<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com	

5/10/2022

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