SIEMENS

Data sheet	6XV1843-5FH10-0AA0

Product type designation	SM FO CORD LC/LC, 9/125
Product description	Singlemode glass fiber-optic cable, preassembled SM FO CORD LC/LC; 9/125, PREASSEMBLED WITH 2X2 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	Preassembled with 2 x 2 LC DUPLEX connectors
Cable designation	I-V(ZN)H 2E9/125 G.652D
Cable length	1 m

Optical data

Damping ratio 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	
• 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

17.03.2015

• 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 operation / maximum	500 N
Continuous lateral force per length	100 N/cm
Weight per length	19 kg/km

Permitted ambient conditions

Ambient temperature	
• during operation	-20 ... +70 °C
• during storage	-25 ... +70 °C
• during transport	-25 ... +70 °C
• during installation	-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	
• halogen-free	Yes
• silicon-free	Yes
Product component / Rodent protection	No

Standards, specifications, approvals

Certificate of suitability	
• RoHS conformity	Yes

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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