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Data sheet 6XV1843-5FH10-0AB0

product type designation	**SM FO CORD ST(BFOC)/LC, 9/125**
product description	Singlemode glass fiber-optic cable, preassembled
	SM FO Cord BFOC/LC; 9/125; pre-assembled with 1x LC duplex plug and 2x BFOC connectors; length 1.0 m.



product brand name	SIMATIC NET
Technical Product Detail Page	https://i.siemens.com/1P6XV1843-5FH10-0AB0
suitability for use	Cable for applications in the control cabinet
version of the assembled FO cable	Pre-assembled with 1x LC 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	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
● 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
ambient conditions	
ambient temperature	

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● during operation	-30 ... +70 °C
● during storage	-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	
● 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: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information / header	
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Approvals / Certificates

General Product Approval					Industrial Communication
CE EG-Konf.	UKCA	Manufacturer Declaration	Declaration of Conformity	CE EG-Konf.	PROFINET

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