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Data sheet 6XV1843-5EH10-0CB0

product type designation	**MM FO CORD SC/BFOC, 50/125**
product description	Multimode glass fiber-optic cable, preassembled
	MM FO Cord SC/BFOC; 50/125; pre-assembled with 1x SC duplex connector and 1x BFOC plug; 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 2x50/125 OM4
wire length	1 m
optical data	
attenuation factor per length	
● at 850 nm / maximum	3.5 dB/km
● at 1300 nm / maximum	1.5 dB/km
bandwidth length product	
● at 850 nm	500 GHz·m
● at 1300 nm	1300 GHz·m
mechanical data	
number of fibers / per FOC core	1
number of FO cores / per FOC cable	2
version of the FO conductor fiber	Multi-mode gradient fiber 50/125 µm, OM 4
design of the FOC core	Fixed core
outer diameter	
● of the optical fibers	50 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	
● 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
reference code	
● according to IEC 81346-2	WH
● according to IEC 81346-2:2019	WHA
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					Environment
CE EG-Konf.	UKCA	CCC	Manufacturer Declaration	Declaration of Conformity	Confirmation

Industrial Communication

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