

product description



multimode glass fiber-optic cable, pre-assembled with ST(BFOC) coupling

MM FO cord BFOC/LC; 62.5/125; pre-assembled with 1x LC duplex plug and 2x BFOC plugs; including 2 x BFOC coupling; length 1.0 m.

product brand name	SIMATIC NET
Technical Product Detail Page	https://l.siemens.com/1P6XV1843-5EH11-0AB0
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 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	Multimode graded-index fiber 62.5/125 µm, OM 1
design of the FOC core	Fixed core
outer diameter	
• of the optical fibers	62.5 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 according to IEC 60332-1, IEC 60754-1/-2, IEC 61034-2
class of burning behaviour / according to EN 13501-6	Dca
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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