SIEMENS

Data sheet 6XV1843-5EH10-0AA0

product type designation	**MM FO CORD LC/LC, 50/125**
product description	Multimode glass fiber-optic cable, preassembled
	MM FO Cord LC/LC; 50/125; pre-assembled with 2x LC Duplex connectors; length 1.0 m.



product brand name	SIMATIC NET
Technical Product Detail Page	https://i.siemens.com/1P6XV1843-5EH10-0AA0
suitability for use	Cable for applications in the control cabinet
version of the assembled FO cable	Pre-assembled with 2x LC DUPLEX connectors
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

Subject to change without notice
© Copyright Siemens

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
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	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

Manufacturer Declaration | Declaration of Conformity | China RoHS

Industrial Communication

PROFINET

last modified: 3/10/2026

Subject to change without notice
© Copyright Siemens