SIEMENS

Data sheet   **6XV1843-5EH10-0CC0**

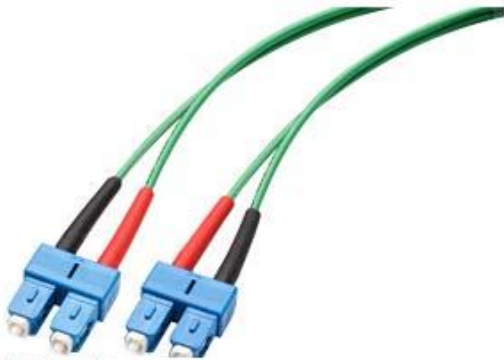|	
Product type designation	MM FO CORD SC/SC, 50/125
Product description	Multimode glass fiber-optic cable, preassembled
	MM FO CORD SC/SC; 50/125; PREASSEMBLED WITH 2X SC
	DUPLEX CONNECTORS; LENGTH 1.0 M

Figure similar

Suitability for use	Cable for applications in the control cabinet
Version of the assembled FO cable	Preassembled with 2x SC DUPLEX connectors
Cable designation	I-V(ZN)H 2x50/125 OM2
Cable length	1 m

Optical data

Damping ratio 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 2
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 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

last modified:	16.03.2015