

Product type designation

Product description

MM FO CORD SC/BFOC, 50/125

Multimode glass fiber-optic cable, preassembled
MM FO CORD SC/BFOC; 50/125; PREASSEMBLED WITH 1X SC
DUPLEX CONNECTOR AND 1X BFOC CONNECTOR; LENGTH 1.0
M



Figure similar

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

Optical data	
Damping ratio per length	
<ul style="list-style-type: none"> at 850 nm / maximum at 1300 nm / maximum 	3.5 dB/km 1.5 dB/km
Bandwidth length product	
<ul style="list-style-type: none"> at 850 nm at 1300 nm 	500 GHz·m 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 <ul style="list-style-type: none"> • of the optical fibers • of the optical fiber sheath • of the FOC core sheath 	50 µm 125 µm 2.8 mm
Width / of cable sheath	5.9 mm
Thickness / of cable sheath	2.8 mm
Material <ul style="list-style-type: none"> • of the fiber-optic cable core • of the optical fiber sheath • of the FOC core sheath • of the fiber-optic cable sheath • of the strain relief 	Quartz glass Quartz glass FR-LSZH LSZH Aramid fibers
Color <ul style="list-style-type: none"> • of the FOC core sheath 	green/green
Bending radius <ul style="list-style-type: none"> • with single bend / minimum permissible 	42 mm
Tensile load <ul style="list-style-type: none"> • during installation / short-term • during operation / maximum 	500 N 500 N
Continuous lateral force per length	100 N/cm
Weight per length	19 kg/km

Permitted ambient conditions

Ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	-20 ... +70 °C -25 ... +70 °C -25 ... +70 °C -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 feature <ul style="list-style-type: none"> • halogen-free • silicon-free 	Yes Yes
Product component / Rodent protection	No

Standards, specifications, approvals

Certificate of suitability <ul style="list-style-type: none"> • RoHS conformity 	Yes
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Further Information / Internet Links

Internet-Link	
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- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

last modified:

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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