

Product description	Multimode glass fiber-optic cable, preassembled MM FO Cord BFOC/LC; 50/125, preassembled with 1x LC Duplex plug and 2x BFOC/ST plugs length 1.0m
Suitability for use	Cable for applications in the control cabinet
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 	-20 ... +70 °C
<ul style="list-style-type: none"> during storage 	-25 ... +70 °C
<ul style="list-style-type: none"> during transport 	-25 ... +70 °C
<ul style="list-style-type: none"> 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 feature	
<ul style="list-style-type: none"> halogen-free 	Yes
<ul style="list-style-type: none"> silicon-free 	Yes
Product component / Rodent protection	No

Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity 	Yes

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com

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