

### Product type designation

**MM FO CORD SC/LC, 50/125**

### Product description

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



Figure similar

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

### Optical data

Damping ratio per length	
<ul style="list-style-type: none"> <li>• at 850 nm / maximum</li> <li>• at 1300 nm / maximum</li> </ul>	<p>3.5 dB/km</p> <p>1.5 dB/km</p>
Bandwidth length product	
<ul style="list-style-type: none"> <li>• at 850 nm</li> <li>• at 1300 nm</li> </ul>	<p>500 GHz·m</p> <p>1300 GHz·m</p>

### 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"> <li>• of the optical fibers</li> <li>• of the optical fiber sheath</li> <li>• of the FOC core sheath</li> </ul>	<p>50 µm</p> <p>125 µm</p> <p>2.8 mm</p>
Width / of cable sheath	5.9 mm
Thickness / of cable sheath	2.8 mm

Material	
<ul style="list-style-type: none"> <li>• of the fiber-optic cable core</li> <li>• of the optical fiber sheath</li> <li>• of the FOC core sheath</li> <li>• of the fiber-optic cable sheath</li> <li>• of the strain relief</li> </ul>	Quartz glass Quartz glass FR-LSZH LSZH Aramid fibers
Color	
<ul style="list-style-type: none"> <li>• of the FOC core sheath</li> </ul>	Green/green
Bending radius	
<ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> </ul>	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	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul>	-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 property	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	Yes Yes
Product component / Rodent protection	No

### Standards, specifications, approvals

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

### Further Information / Internet Links

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

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