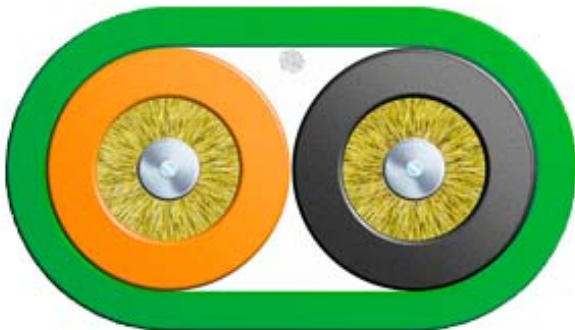


### Product type designation

Product description

### FO Standard Cable GP

Glass fiber-optic cable, sold by the meter, unassembled  
SIMATIC NET FO STANDARD CABLE GP(50/125), STANDARD  
CABLE CAN BE SECTIONALIZED, UL APPROVAL, MAX. LENGTH:  
1000 M MIN. ORDER LENGTH: 20 M SOLD BY THE METER



Suitability for use	Cable for installation indoors and outdoors, UL approval
Version of the assembled FO cable	For assembly with four BFOC or SC connectors
<b>Optical data</b>	
Damping ratio per length	
<ul style="list-style-type: none"> <li>at 850 nm / maximum</li> <li>at 1300 nm / maximum</li> </ul>	2.7 dB/km 0.7 dB/km
Bandwidth length product	
<ul style="list-style-type: none"> <li>at 850 nm</li> <li>at 1300 nm</li> </ul>	600 GHz·m 1200 GHz·m
<b>Mechanical data</b>	
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	Hollow core, filled, diameter 1400 µm
Design of the fiber-optic cable	segmentable
Outer diameter	
<ul style="list-style-type: none"> <li>of the optical fibers</li> </ul>	50 µm

<ul style="list-style-type: none"> <li>• of the optical fiber sheath</li> </ul>	125 µm
<ul style="list-style-type: none"> <li>• of the FOC core sheath</li> </ul>	2.9 mm
Symmetrical deviation / of the outer diameter of the FOC core sheath	0.1 mm
Width / of cable sheath	7.4 mm
Thickness / of cable sheath	4.5 mm
Material	
<ul style="list-style-type: none"> <li>• of the fiber-optic cable core</li> </ul>	Quartz glass
<ul style="list-style-type: none"> <li>• of the optical fiber sheath</li> </ul>	Quartz glass
<ul style="list-style-type: none"> <li>• of the FOC core sheath</li> </ul>	PVC
<ul style="list-style-type: none"> <li>• of the fiber-optic cable sheath</li> </ul>	PVC
<ul style="list-style-type: none"> <li>• of the strain relief</li> </ul>	Aramid fibers
Color	
<ul style="list-style-type: none"> <li>• of the FOC core sheath</li> </ul>	orange/black
<ul style="list-style-type: none"> <li>• of cable sheath</li> </ul>	green
Bending radius	
<ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> </ul>	45 mm
<ul style="list-style-type: none"> <li>• with multiple bends / minimum permissible</li> </ul>	65 mm
Tensile load	
<ul style="list-style-type: none"> <li>• during installation / short-term</li> </ul>	1200 N
<ul style="list-style-type: none"> <li>• during operation / maximum</li> </ul>	500 N
Short-term shear force per length	600 N/cm
Continuous lateral force per length	400 N/cm
Weight per length	40 kg/km

#### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +80 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-25 ... +80 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-25 ... +80 °C
<ul style="list-style-type: none"> <li>• during installation</li> </ul>	-5 ... +50 °C
Burning behavior	flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)
Chemical resistance	
<ul style="list-style-type: none"> <li>• to grease</li> </ul>	conditional resistance
<ul style="list-style-type: none"> <li>• to water</li> </ul>	conditional resistance
Radiological resistance / to UV radiation	resistant

#### Product properties, functions, components / general

Product feature	
<ul style="list-style-type: none"> <li>• halogen-free</li> </ul>	No
<ul style="list-style-type: none"> <li>• silicon-free</li> </ul>	Yes
Product component / Rodent protection	No
Wire length	

- |  |        |
|--|--------|
| • for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum  | 5000 m |
| • for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum | 750 m  |
| • for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum | 2000 m |
| • for glass FOC / with PROFIBUS / maximum                            | 3000 m |

### Standards, specifications, approvals

#### Certificate of suitability

- |                   |     |
|-------------------|-----|
| • RoHS conformity | Yes |
|-------------------|-----|

### Further Information / Internet Links

#### Internet-Link

- |   |   |
|---|---|
| • to website: Selector SIMATIC NET SELECTION TOOL | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>                               |
| • to website: Industrial communication            | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                 |
| • to website: Industry Mall                       | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                   |
| • to website: Information and Download Center     | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> |
| • to website: Image database                      | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>             |
| • to website: CAx Download Manager                | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                 |
| • to website: Industry Online Support             | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>             |

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