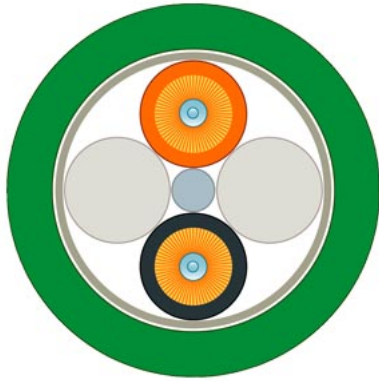


### product type designation

product description



### FC FO standard cable GP

Glass fiber-optic cable for assembly in the field, sold by the meter, unassembled

FC FO Standard Cable (62.5/200/230), Standard cable splittable, UL-approval, max. length 1000 m minimum order quantity 20 m sold by the meter

suitability for use

Cable for permanent installation in cable channels and pipes, UL approval

version of the assembled FO cable

For assembly with four BFOC or SC connectors

cable designation

AT-V(ZN)YY 2GK 62,5/200/230 OM1

### optical data

attenuation factor per length

- at 850 nm / maximum
- at 1300 nm / maximum

3.2 dB/km  
0.9 dB/km

bandwidth length product

- at 850 nm
- at 1300 nm

200 GHz·m  
500 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 62.5/200/230 μm

design of the FOC core

Fixed core

design of the fiber-optic cable

Segmentable cable

outer diameter

- of the optical fibers
- of the optical fiber sheath
- of the FOC core sheath

62.5 μm  
230 μm  
2.2 mm

symmetrical deviation / of the outer diameter of the FOC core sheath

0.1 mm

outer diameter / of the cable

7.2 mm

symmetrical deviation / of the outer diameter of the line

0.5 mm

material

- 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  
ETFE  
PVC  
PVC  
Aramid fibers

color

- of the FOC core sheath
- of cable sheath

orange/black  
green

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

70 mm  
105 mm

tensile load	
<ul style="list-style-type: none"> <li>during installation / short-term</li> <li>during operation / maximum</li> </ul>	<p>800 N</p> <p>100 N</p>
short-term shear force per length	500 N/cm
continuous shear force per length	300 N/cm
weight per length	49 kg/km
<b>ambient conditions</b>	
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>	<p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>-5 ... +50 °C</p>
fire behavior	flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
<ul style="list-style-type: none"> <li>to mineral oil</li> <li>to grease</li> <li>to water</li> </ul>	<p>acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +70 °C, 4 h</p> <p>conditional resistance</p> <p>conditional resistance</p>
radiological resistance / to UV radiation	resistant
<b>product features, product functions, product components / general</b>	
product feature	
<ul style="list-style-type: none"> <li>halogen-free</li> <li>silicon-free</li> </ul>	<p>No</p> <p>Yes</p>
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> <li>for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum</li> <li>for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum</li> <li>for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum</li> <li>for glass FOC / with PROFIBUS / maximum</li> </ul>	<p>3000 m</p> <p>350 m</p> <p>550 m</p> <p>3000 m</p>
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>UL approval</li> <li>RoHS conformity</li> </ul>	<p>Yes</p> <p>Yes</p>
reference code	
<ul style="list-style-type: none"> <li>according to IEC 81346-2</li> <li>according to IEC 81346-2:2019</li> </ul>	<p>WH</p> <p>WHA</p>
<b>further information / internet-Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>to web page: selection aid TIA 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: Selection guide for cables and connectors</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<p><a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></p> <p><a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>
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