

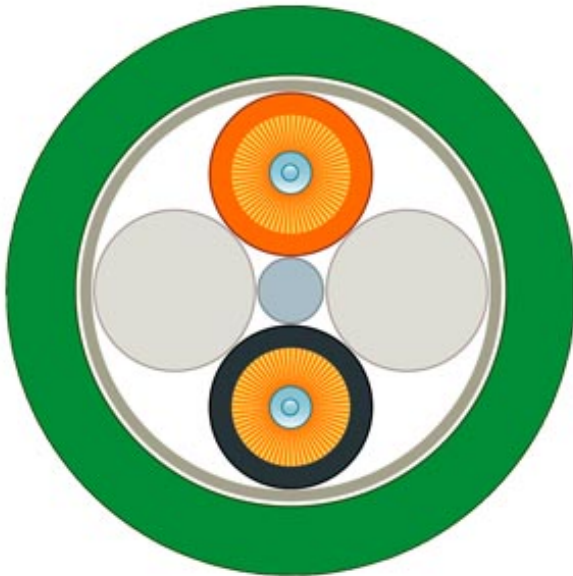
### product type designation

product description

### PCF Standard Cable GP

PCF fiber-optic cable with plastic cladding, sold by the meter, unassembled

PCF Standard Cable, (200/230), standard cable splittable, UL approval, without connector, sold by the meter, BELOW minimum order 20 m, max. length 2000 m



suitability for use	Cable for permanent installation indoors and outdoors, UL approval
version of the assembled FO cable	For assembly with SC RJ, SC RJ Plug PRO, BFOC and Simplex connectors
cable designation	AT-V(ZN)YY 2K 200/230
<b>optical data</b>	
damping ratio per length	
<ul style="list-style-type: none"> <li>at 650 nm / maximum</li> <li>at 660 nm / maximum</li> </ul>	10 dB/km
bandwidth length product	
<ul style="list-style-type: none"> <li>at 650 nm</li> </ul>	17 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	Step index fiber 200/230 μm
outer diameter	

<ul style="list-style-type: none"> <li>• of the optical fibers</li> </ul>	200 µm
<ul style="list-style-type: none"> <li>• of the optical fiber sheath</li> </ul>	230 µm
<ul style="list-style-type: none"> <li>• of the FOC core sheath</li> </ul>	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	
<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>	Special polymer
<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>	70 mm
<ul style="list-style-type: none"> <li>• with multiple bends / minimum permissible</li> </ul>	105 mm
tensile load	
<ul style="list-style-type: none"> <li>• during installation / short-term</li> </ul>	800 N
<ul style="list-style-type: none"> <li>• during operation / maximum</li> </ul>	100 N
short-term shear force per length	500 N/cm
continuous lateral force per length	300 N/cm
weight per length	45 kg/km

<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-40 ... +90 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +90 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +90 °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)
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
<ul style="list-style-type: none"> <li>• to mineral oil</li> </ul>	acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +70 °C, 4 h
<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 features, product functions, product components / general**

product feature	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	No Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> <li>• for PCF FOC / for Industrial Ethernet / maximum</li> <li>• for PCF FOC / with PROFIBUS / maximum</li> </ul>	100 m 400 m

### standards, specifications, approvals

certificate of suitability	UL approval: cULus OFN (NEC Article 770, UL 1651) / CSA approval: OFN FT4 (CSA standard C22.2 No232)
<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/industry/infocenter">http://www.siemens.com/industry/infocenter</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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