

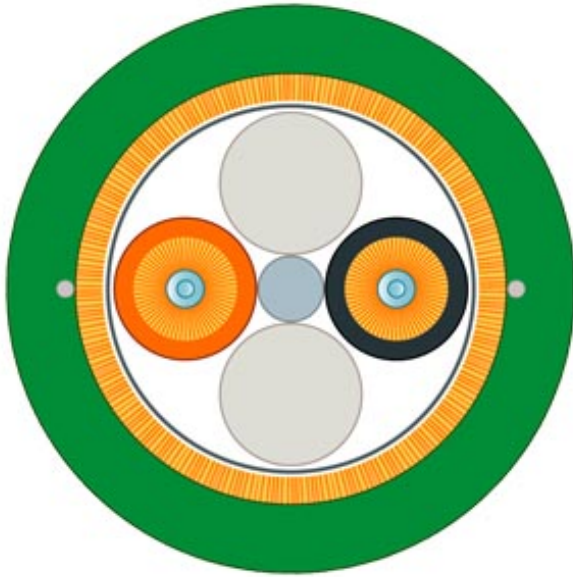
### product type designation

product description

### PCF Trailing Cable

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

PCF Trailing Cable, (200/230) Trailing cable, splittable, without connector, sold by the meter, max. Length 2000 m Minimum order quantity: 20 m



suitability for use	Cable for applications with high mechanical loading, and motion (e.g. trailing cables), no 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)Y(ZN)11Y 2K 200/230
<b>optical data</b>	
<ul style="list-style-type: none"> <li>attenuation factor per length / at 650 nm / maximum</li> </ul>	10 dB/km
<ul style="list-style-type: none"> <li>attenuation factor per length / 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	8.8 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>	PUR
<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>	130 mm
<ul style="list-style-type: none"> <li>• with multiple bends / minimum permissible</li> </ul>	175 mm
number of bending cycles	5000000
tensile load	
<ul style="list-style-type: none"> <li>• during installation / short-term</li> </ul>	2000 N
<ul style="list-style-type: none"> <li>• during operation / maximum</li> </ul>	800 N
short-term shear force per length	500 N/cm
continuous shear force per length	300 N/cm
weight per length	85 kg/km

#### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +75 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-30 ... +75 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-30 ... +75 °C
<ul style="list-style-type: none"> <li>• during installation</li> </ul>	-5 ... +50 °C
fire behavior	flame-retardant
class of burning behaviour / according to EN 13501-6	Fca
chemical resistance	
<ul style="list-style-type: none"> <li>• to mineral oil</li> </ul>	resistant
<ul style="list-style-type: none"> <li>• to grease</li> </ul>	resistant
<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	
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<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	
<ul style="list-style-type: none"> <li>• for PCF FOC / for Industrial Ethernet / maximum</li> </ul>	100 m
<ul style="list-style-type: none"> <li>• for PCF FOC / with PROFIBUS / maximum</li> </ul>	400 m

### 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 TIA Selection Tool</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>• to website: CAx-Download-Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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