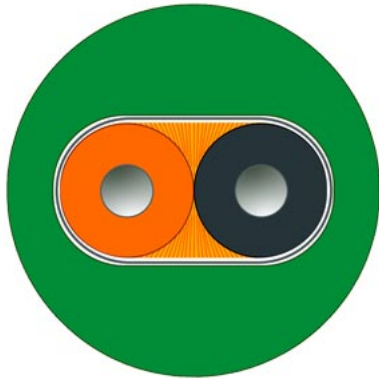


### product type designation

product description



### POF Standard Cable GP

Fiber-optic cable with polyoptical fiber, sold by the meter, unassembled

POF Standard Cable GP 980/1000, PROFINET, standard cable, Sold by the meter minimum order quantity 20 m max. length 500 m.

suitability for use	Cable for permanent installation indoors, UL approval
version of the assembled FO cable	For assembly with SC RJ or SC RJ Plug PRO connectors
cable designation	I-V4Y(ZN)Y 2P 980/1000
<b>optical data</b>	
attenuation factor per length	
• at 650 nm / maximum	160 dB/km
bandwidth length product	
• at 650 nm	1 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	POF FOC 980/1000 μm
outer diameter	
• of the optical fibers	980 μm
• of the optical fiber sheath	1000 μm
• of the FOC core sheath	2.2 mm
symmetrical deviation / of the outer diameter of the FOC core sheath	0.1 mm
outer diameter / of the cable	7.8 mm
material	
• of the fiber-optic cable core	Polymethylmethacrylate (PMMA)
• of the optical fiber sheath	Fluoridated special polymer
• of the FOC core sheath	PA
• of the fiber-optic cable sheath	PVC
• of the strain relief	Kevlar fibers
color	
• of the FOC core sheath	orange/black
• of cable sheath	green
bending radius	
• with single bend / minimum permissible	100 mm
• with multiple bends / minimum permissible	150 mm
tensile load	
• during installation / short-term	100 N
• during operation / maximum	100 N
short-term shear force per length	100 N/cm
weight per length	65 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>	-30 ... +70 °C -30 ... +70 °C -30 ... +70 °C 50 °C
fire behavior	flame-resistant acc. to IEC 60332-1-2
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> </ul>	conditional resistance conditional resistance
radiological resistance / to UV radiation	not 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>	No Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> <li>for POF FOC / for Industrial Ethernet / maximum</li> </ul>	50 m
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>UL approval</li> <li>RoHS conformity</li> </ul>	Yes Yes
reference code	
<ul style="list-style-type: none"> <li>according to IEC 81346-2</li> <li>according to IEC 81346-2:2019</li> </ul>	WH WHA
<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>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</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="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</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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