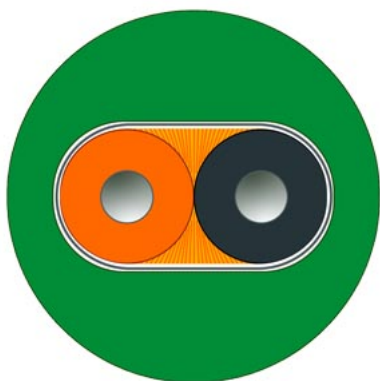


### product type designation

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

sold by the meter

cable designation

I-V4Y(ZN)Y 2P 980/1000

### optical data

attenuation factor per length

- at 650 nm / maximum

160 dB/km

bandwidth length product

- at 650 nm

1 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

POF FOC 980/1000 µm

outer diameter

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

980 µm

1000 µm

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
- of the optical fiber sheath
- of the FOC core sheath
- of the fiber-optic cable sheath
- of the strain relief

Polymethylmethacrylate (PMMA)

Fluoridated special polymer

PA

PVC

Kevlar 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

100 mm

150 mm

tensile load

- during installation / short-term
- during operation / maximum

100 N

100 N

short-term shear force per length

100 N/cm

weight per length

65 kg/km

### ambient conditions

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

#### 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 POF FOC / for Industrial Ethernet / maximum</li> </ul>	50 m

#### standards, specifications, approvals

certificate of suitability	
<ul style="list-style-type: none"> <li>UL approval</li> <li>RoHS conformity</li> </ul>	Yes; UL OFN 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

#### further information / internet links

internet link	
<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to web page: SiePortal</li> <li>to website: Image database</li> <li>to website: CAX-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

#### security information / header

security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a>. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a>. (V4.7)</p>
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#### Approvals / Certificates

General Product Approval	Marine / Shipping
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[Manufacturer Declaration](#)



[Declaration of Conformity](#)



Environment	Industrial Communication
<a href="#">Confirmation</a>	<a href="#">PROFINET</a>

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last modified:

11/19/2024 