

product type designation

product description



POF Trailing Cable

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

POF Trailing Cable 980/1000, PROFINET, trailing cable, sold by the meter, minimum order quantity 20 m max. length 500 m.

Technical Product Detail Page

<https://l.siemens.com/1P6XV1874-2B>

suitability for use

Cable for moving applications (e.g. use in cable carriers)

version of the assembled FO cable

sold by the meter

cable designation

I-V4Y(ZN)11Y 2P 980/1000 FLEX UL

optical data

attenuation factor per length

- at 650 nm / maximum
- at 660 nm / maximum

180 dB/km
275 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

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
PUR
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
- with continuous bending

40 mm
55 mm
55 mm

number of bending cycles

5000000

number of torsion cycles / with torsion by ± 360° on 1 m cable length

10000

tensile load

<ul style="list-style-type: none"> during installation / short-term 	400 N
<ul style="list-style-type: none"> during operation / maximum 	100 N
short-term shear force per length	400 N/cm
continuous shear force per length	20 N/cm
weight per length	55 kg/km
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	-20 ... +70 °C
<ul style="list-style-type: none"> during storage 	-40 ... +80 °C
<ul style="list-style-type: none"> during transport 	-40 ... +80 °C
<ul style="list-style-type: none"> during installation 	5 ... 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"> to mineral oil 	resistant
<ul style="list-style-type: none"> to grease 	resistant
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> halogen-free 	No
<ul style="list-style-type: none"> silicon-free 	Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> for POF FOC / for Industrial Ethernet / maximum 	50 m
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> UL approval 	Yes; AWM STYLE 5422 80C VW-1
<ul style="list-style-type: none"> RoHS conformity 	Yes
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors 	https://support.industry.siemens.com/cs/ww/en/view/109766358
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
<ul style="list-style-type: none"> to website: Industrial communication 	https://www.siemens.com/simatic-net
<ul style="list-style-type: none"> to web page: SiePortal 	https://sieportal.siemens.com/
<ul style="list-style-type: none"> to website: Image database 	https://www.automation.siemens.com/bilddb
<ul style="list-style-type: none"> to website: CAx-Download-Manager 	https://www.siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com
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 www.siemens.com/cybersecurity-industry. 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 https://www.siemens.com/cert. (V4.7)</p>
Approvals / Certificates	
General Product Approval	

[Manufacturer Declaration](#)



[Declaration of Conformity](#)



[Fire safety / Physical security](#)

General Product Approval	other	Environment	Industrial Communication
China RoHS	Confirmation	Environmental Confirmations	PROFINET

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