

product type designation

PROFIBUS Plastic Fiber Optic standard cable

product description

Fiber-optic cable with polyoptical fiber, 100m ring, unassembled

PROFIBUS Plastic Fiber Optic (980/1000), standard cable, 100 m ring



suitability for use

Cable for indoor applications

version of the assembled FO cable

For assembly with four Simplex connectors

cable designation

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

wire length

100 m

optical data

attenuation factor per length

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

160 dB/km
230 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

Step index fiber 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

symmetrical deviation / of the outer diameter of the line

0.3 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
Violet

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

100 mm
150 mm

tensile load

- during installation / short-term

100 N

<ul style="list-style-type: none"> during operation / maximum 	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"> during operation during storage during transport during installation 	-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"> to mineral oil to grease 	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"> halogen-free silicon-free 	No Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> for POF FOC / with PROFIBUS / maximum 	80 m
standards, specifications, approvals	
certificate of suitability	UL approval: cULus OFN FT1 (NEC Article 770, UL 1651) / CSA approval: OFN (CSA-Standard C22.2 No232)
<ul style="list-style-type: none"> RoHS conformity 	Yes
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool to website: Industrial communication to website: Industry Mall to website: Information and Download Center to website: Image database to website: CAX-Download-Manager to website: Industry Online Support 	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com

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