

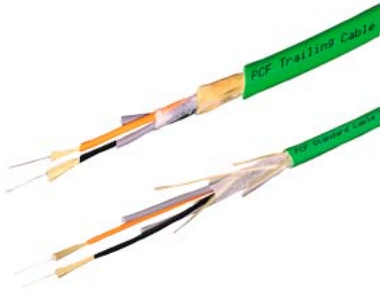
product type designation

product description

PROFIBUS Plastic Fiber Optic Duplex Core

Fiber-optic cable with polyoptical fiber (flat dual cores), 50m ring, unassembled

PROFIBUS Plastic Fiber Optic, duplex core 50 m ring.



suitability for use

Indoor applications with low mechanical loads (e.g. laboratory set-ups or inside cabinets), cable lengths up to 50 m

version of the assembled FO cable

For assembly with four Simplex connectors

cable designation

V-2Y 2x1 P 980/1000

wire length

50 m

optical data

attenuation factor per length

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

10 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

material

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

Polymethylmethacrylate (PMMA)
Fluoridated special polymer
PE

color

- of the FOC core sheath

gray

bending radius

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

25 mm
25 mm

tensile load

- during operation / maximum

10 N

short-term shear force per length

30 N/cm

continuous shear force per length

4 N/cm

weight per length

7.6 kg/km

ambient conditions

ambient temperature

<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	<p>-55 ... +85 °C</p> <p>-55 ... +85 °C</p> <p>-55 ... +85 °C</p> <p>-5 ... +50 °C</p>
fire behavior	flame-resistant in accordance with the VW-1 flame test acc. to UL 1581
chemical resistance <ul style="list-style-type: none"> • to mineral oil • to grease 	<p>conditional resistance</p> <p>conditional resistance</p>
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 	<p>Yes</p> <p>Yes</p>
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 style="list-style-type: none"> • RoHS conformity 	Yes
reference code <ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	<p>WH</p> <p>WHA</p>
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: Selection guide for cables and connectors • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	<p>http://www.siemens.com/tia-selection-tool</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>https://sie.ag/2QdlxcP</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>

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