

product type designation

product description

PROFIBUS Plastic Fiber Optic standard cable

Fiber-optic cable with polyoptical fiber, preferred length, preassembled

PROFIBUS Plastic Fiber Optic, Standard cable with 4 BFOC connectors, length 65 m.



suitability for use

Cable for indoor applications

version of the assembled FO cable

Assembled with four BFOC connectors

cable designation

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

wire length

65 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
- 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 | |
| • during operation | -30 ... +70 °C |
| • during storage | -30 ... +70 °C |
| • during transport | -30 ... +70 °C |
| • during installation | 50 °C |
| fire behavior | flame-resistant acc. to IEC 60332-1-2 |
| chemical resistance | |
| • to mineral oil | conditional resistance |
| • to grease | conditional resistance |
| radiological resistance / to UV radiation | not resistant |
| protection class IP | IP20 |

product features, product functions, product components / general

| | |
|---|------|
| product feature | |
| • halogen-free | No |
| • silicon-free | Yes |
| product component / rodent protection | No |
| wire length | |
| • for POF FOC / with PROFIBUS / maximum | 80 m |

standards, specifications, approvals

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|---------------------------------|---------------|
| certificate of suitability | |
| • UL approval | Yes; (UL) OFN |
| • RoHS conformity | Yes |
| reference code | |
| • according to IEC 81346-2 | WH |
| • according to IEC 81346-2:2019 | WHA |

further information / internet links

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|---|---|
| internet link | |
| • to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| • to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| • to website: Industrial communication | https://www.siemens.com/simatic-net |
| • to web page: SiePortal | https://sieportal.siemens.com/ |
| • to website: Image database | https://www.automation.siemens.com/bilddb |
| • to website: CAX-Download-Manager | https://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

security information / header

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Approvals / Certificates

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| General Product Approval |
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formity](#)



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General Product Ap- Maritime application other



[Confirmation](#)

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