

Product type designation

Product description

POF Standard Cable GP

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

SIMATIC NET, POF STANDARD CABLE GP 980/1000, PROFINET, STANDARD CABLE, SOLD BY THE METER MIN. LENGTH: 20 M MAX. LENGTH: 500 M



Suitability for use	Cable for permanent installation indoors, UL approval
Version of the assembled FO cable	For assembly with SC RJ or SC RJ Plug PRO connectors
Cable designation	I-V4Y(ZN)Y 2P 980/1000

Optical data

Damping ratio 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	980 µm
• of the optical fiber sheath	1000 µm
• of the FOC core sheath	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

Permitted ambient conditions

Ambient temperature • during operation • during storage • during transport • during installation	-30 ... +70 °C -30 ... +70 °C -30 ... +70 °C 50 °C
Burning behavior	flame-resistant acc. to IEC 60332-1-2
Chemical resistance • to mineral oil • to grease	conditional resistance conditional resistance
Radiological resistance / to UV radiation	not resistant

Product properties, functions, components / general

Product feature • halogen-free • silicon-free	No Yes
Product component / Rodent protection	No
Wire length • for POF FOC / for Industrial Ethernet / maximum	50 m

Standards, specifications, approvals

Certificate of suitability	
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- RoHS conformity

Yes

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET
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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