

HITRONIC® POF cables for PROFINET applications

Polymer optical fibre as duplex fibre cable version with PUR sheath for PROFINET applications type B or C

PROFINET compliant optical cables accordingly Type B and Type C with 2P980/1000 POF twin buffered fibres, colour coded J-V4Y(ZN)11Y

J-V4Y(ZN)Y

Info

PROFINET compliant

- Type B or Type C



Supplementary automation components from Lapp



Mechanical and plant engineering



Heat-resistant



Low weight



Oil-resistant



Power chain

Benefits

Optical data transmission up to 70m

Easy to handle

No interference by external fields

No grounding problems

Suitable for direct connector assembly

Last Update (27.04.2024)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Application range

For optical signal transmission in industrial applications
PROFINET / Industrial Ethernet
At 100 Mbit/s: max 50 m cable length
PROFINET type B:
for fixed laying
PROFINET type C:
for flexible applications (power chains)

Product features

Cable version with PVC outer sheath:
for standard applications in industrial environments
Cable version with PUR outer sheath:
for high mechanical or chemical stress in industrial environments
PNB - PROFINET-Type B
PNC - PROFINET-Type C
FD - Highly flexible (power chains)

Norm references / Approvals

PUR compound: Oil-resistant acc. IEC 60811-2-1, DIN EN 50363-10-2

Product Make-up

Polymer Optical Fibre (POF)
PA buffer tube
Fibre colour coding: black,
orange (with arrow printing)
Aramid yarns as strain relief
Outer sheath material PUR or PVC (see article description)
Outer sheath colour: green (RAL 6018)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000034 ETIM 5.0 Class-Description: Fibre optic cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000034 ETIM 6.0 Class-Description: Fibre optic cable
Dimensions:	Buffered fibre: 2.2 mm Cable: see table
Core identification code:	Black, orange (with arrow printing)
Standard designation:	J-V4Y(ZN)11Y 2P980/1000 J-V4Y(ZN)Y 2P980/1000 J-V4Y(ZN)11Y 2P980/1000 flex
Optical fibre type:	Core material: PMMA Cladding material: fluoropolymers
Permissible bending radius:	$\geq 10 \times$ outer diameter
Permissible tensile force:	see data sheet
Temperature range:	Operation: -20 °C to +70 °C Installation: -10 °C to +50 °C

Note

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Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Lapp Kabel is a member of the PROFIBUS user organisation (PNO)

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
POF DUPLEX - PROFINET TYPE B					
28051002	HITRONIC® POF DUPLEX PNB PA-PUR	980/1000 POF	2	8	56
28052002	HITRONIC® POF DUPLEX PNB PA-PVC	980/1000 POF	2	7.8	59
POF DUPLEX - PROFINET TYPE C					
28351002	HITRONIC® POF DUPLEX FD PNC PA-PUR	980/1000 POF	2	8	55