

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



Power chain



Low weight



Heat-resistant



Mechanical and plant engineering



Kompletterande automationskomponenter från Lapp

Benefits

Optical data transmission up to 70m

Easy to handle

No interference by external fields

No grounding problems

Suitable for direct connector assembly

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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

HITRONIC® POF cables for PROFINET Applications

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)

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:

≥ 10 x outer diameter

Permissible tensile force:

see data sheet

Temperature range:

Operation: -20 °C to +70 °C

Installation: -10 °C to +50 °C

HITRONIC® POF cables for PROFINET Applications**Note**

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

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