

HITRONIC® PCF cables for PROFINET Applications

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

PROFINET compliant optical cables accordingly Type B and Type C with 2K200/230 PCF twin cable, colour coded J-VY(ZN)Y, AT-V(ZN)Y(ZN)11Y

Info

PROFINET compliant
 - Type B or Type C
 For direct connector assembly



Supplementary automation components from Lapp



Mechanical and plant engineering



Heat-resistant



Low weight



Oil-resistant



Optimum strain relief



Power chain

Benefits

Optical data transmission up to 500m
 Easy to handle
 No interference by external fields
 No grounding problems

Last Update (23.04.2024)

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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

HITRONIC® PCF cables for PROFINET Applications

Suitable for direct connector assembly

Application range

PCF DUPLEX cables for optical signal transmission in industrial applications

PROFINET / Industrial Ethernet

At 100 Mbit/s: max 100 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

28055702: with c(UL)us certification

(OFNG 75°C)

PUR compound: oil resistant acc. to IEC 60811-2-1 und DIN EN 50363-10-2

Product Make-up

Colour-coded, tight-buffered PCF sub-cable with PVC sheath

Sub cable outer diameter: 2.2mm

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: 0.5mm Single cable: 2.2 mm Cable: see table
Core identification code:	Black, orange (with arrow printing)
Fibre type:	PCF - K200/230 PCF - Polymer Cladded Fibre
Minimum bending radius:	see data sheet
Standard designation:	J-V(ZN)YY 2K200/230 J-V(ZN)Y(ZN)11Y 2K200/230 flex J-V(ZN)Y(ZN)Y 2K200/230 flex
Optical fibre type:	Core material: glass Cladding material: fluoropolymers
Permissible tensile force:	see data sheet

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Temperature range:

See data sheet

Note

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

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

The cables can also be supplied as pre-terminated fibre optic trunks.

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)
28052702	HITRONIC® PCF DUPLEX PNB PVC-PVC	200/230 PCF	2	7.2	55
PCF DUPLEX - PROFINET TYPE C					
28351702	HITRONIC® PCF DUPLEX FD PNC PVC-PUR	200/230 PCF	2	8.8	71
28352702	HITRONIC® PCF DUPLEX FD PNC PVC-PVC	200/230 PCF	2	8.8	76

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