

HITRONIC® PCF DUPLEX Cable

Polymer Cladded Fibre as duplex fibre cable version for indoor or outdoor use

HITRONIC® PCF DUPLEX cable for different applications, sub-cable diameter 2.9 mm, cable colour black for outdoor A-VQ(ZN)HB2Y 2K200/230
orange for indoor J-V(ZN)H11Y

Info

For direct connector assembly



Halogen-free

Benefits

- Transmission lengths up to 500 m
- Suitable for direct connector assembly
- Good resistance to oil, petrol, acids and alkalis
- High mechanical strength
- EMC protection

Application range

For data transmission in field bus systems, such as PROFIBUS, INTERBUS etc.
Industrial environments

Product features

- Possible transmission wavelengths:
650 nm and 850 nm
- Complies with requirements for all BUS systems
- Halogen-free outer sheath

Product Make-up

- Colour-coded, tight-buffered PCF sub-cable with FRNC sheath (2.9mm)
- Aramid yarns as strain relief
- PUR outer sheath (indoor);
- PE outer sheath (outdoor)
- Colour: orange (indoor); black (outdoor)

Technical Data

Last Update (25.01.2026)

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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 DUPLEX Cable

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: 2.9 mm Cable: see table
Core identification code:	red, green
Fibre type:	PCF - K200/230 PCF - Polymer Cladded Fibre
Minimum bending radius:	Static: $\geq 15 \times$ outer diameter Dynamic: $\geq 20 \times$ outer diameter
Standard designation:	PCF DUPLEX Indoor: J-V(ZN)H11Y 2K200/230 PCF DUPLEX Outdoor: A-VQ(ZN)HB2Y 2K200/230
Optical values:	see data sheet
Optical fibre type:	Core material: glass Cladding material: fluoropolymers
Permissible tensile force:	Fixed installation: 400 N (indoor); 500 N (outdoor) Short-term: 1200 N (indoor); 1500 N (outdoor)
Temperature range:	Operation: -20 °C to +70 °C Installation: -10 °C to +50 °C

Note

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

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.

HITRONIC® PCF DUPLEX Cable

Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
Indoor					
28020702	HITRONIC® PCF DUPLEX FRNC-PUR Indoor	200/230 PCF	2	8	53
Outdoor					
28620702	HITRONIC® PCF DUPLEX FRNC-PE Outdoor	200/230 PCF	2	10.5	89

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