

Product Description

To be used for direct connector assembly; Easy to assemble; PCF fibre » very robust; EMC security; High mechanical resistance



Application range

- Application in industrial environments, in particular for data transmission in field bus systems, such as PROFIBUS, INTERBUS etc.

Benefits

- To be used for direct connector assembly
- Easy to assemble
- PCF fibre » very robust
- EMC security
- High mechanical resistance

Design

- DUPLEX cable with fibre core of quartz glass and a fluorinated polymer (plastic, ETFE) sheath
- 2 step index fibres PCF 200/230 (Plastic Cladded Fibre)
- Outer sheath of PUR (indoor) or PE (outdoor)
- Standard designation (indoor): J-V(ZN)H11Y 2K200/230
- Standard designation (outdoor): AT-VQ(ZN)HB2Y 2K200/230

Product features

- Data transmission up to approx. 500 m
- Useable wavelengths: 650 nm and 850 nm
- In Duplex version
- Good resistance against oil, petrol and acids
- PE-/PUR- outer sheath is halogen-free

Cross-References

Accessories

Damage free cable bundles through: Mille-Tie™

Technical Data

Dimensions

PCF 200/230 µm

Fibre type

Step index fibre

Minimum bending radius

(indoor) 120 mm

(outdoor) 200 mm

Optical values

Attenuation at 850 nm wavelength: 8 dB/km

Bandwidth-length product: 20 MHz x km (850 nm)

Numerical aperture: 0.37

Range of temperature

For installation: -5°C up to +50°C

Operation: -20 °C up to +70 °C

Permissible tensile force

Fixed installation (indoor): 400 N

Fixed installation (outdoor): 500 N

Article List

Part number	Article designation	Fibre type	Number of fibres	Outer diameter in mm max.	Weight kg/km
2185311	HITRONIC® BUS PCF PUR DUPLEX indoor	PCF	2	8.0	55
2185302	HITRONIC® BUS PCF PE DUPLEX outdoor	PCF	2	10.5	90

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Mille-Tie™ is a registered trademark of Millepede™ International Ltd.

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