

Product Description

EMC security; Clear galvanit separation; No crosstalk; Low weight High flexibility; Easy to handle



Application range

- Plastic optical fibres for industrial use in the optical signal transmission
- Especially for fixed installation in control cabinets, cable ducts or pipes with simple mechanical stress
- Direct connector assembly

Benefits

- EMC security
- Clear galvanit separation
- No crosstalk
- Low weight High flexibility
- Easy to handle

Design

- The fibre material is made of polymethylmethacrylate (PMMA)
- The protective cover /buffer tube directly over the step index fibre is made of black polyethylene (PE)
- The two fibres of the DUPLEX cable are connected with a strap
- Without outer sheath
- Standard designation: J-V2Y 2x1P980/1000

Product features

- In Duplex version
- PE buffer tube is halogen-free



Cross-References

Accessories

Damage free cable bundles through: Mille-Tie™
Connectors, tools and further accessories on request

Technical Data

Dimensions

POF 980/1000/... µm

Fibre type

Step index fibre
Core material: Polymethylmetacrylate (PMMA)
Cladding material: Fluoropolymers

Minimum bending radius

DUPLEX PE Briefly: min. 25 mm Fixed installation:
min. 25 mm

Optical values

Attenuation at 650 nm wavelength: 160 dB/km
Bandwidth-length product: 10 MHz x 100 m Numerical
aperture: 0.5±0.05

Range of temperature

DUPLEX PE -40 °C up to +70 °C

Permissible tensile force

DUPLEX PE Temporarily: max. 30 N Fixed installation:
max. 10 N

Article List

Part number	Article designation	Fibre type	Number of fibres	Weight kg/km
2185010	HITRONIC® POF DUPLEX PE	POF	2	7.6

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.

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

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