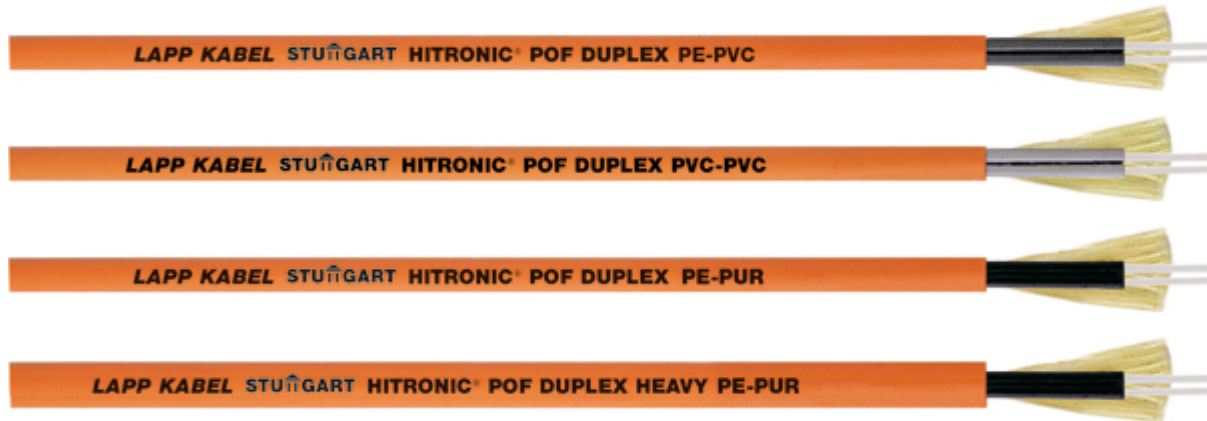


Product Description

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 at higher mechanical stress
- Transmission lengths up to 70 m

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 directly over the step index fibre is black PVC or PE. The two fibres of the DUPLEX cable are connected with a strap. This type also has a strain relief made of aramide fibres and outer sheath of PVC or PUR.
- Standard designation (PE-PVC): J-V2Y(ZN)Y 2P980/1000
- Standard designation (PVC-PVC): J-VY(ZN)Y 2P980/1000
- Standard designation (PE-PUR): J-V2Y(ZN)11Y 2P980/1000



Product features

- In Duplex version
- Versions PE-PVC, PVC-PVC, PE-PUR, HEAVY PE-PUR
- Outer sheath is resistant against acid, lye and water

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

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

Optical values

Attenuation at 650 nm wavelength: 160 dB/km
Bandwidth-length product: 10 MHz x 100 m
Numerical aperture: 0.5±0.005

Range of temperature

PE-PVC, PVC-PVC: -30 °C to +70 °C PE-PUR: -40 °C to +70 °C HEAVY PE-PUR: -20 °C to +85 °C

Permissible bending radius

PE-PVC, PVC-PVC, PE-PUR: 50 mm HEAVY PE-PUR: 80 mm

Permissible tensile force

PE-PVC, PVC-PVC, PE-PUR: Temporarily: max. 400 N
Fixed installation: max. 100 N
HEAVY PE-PUR: Temporarily: max. 400 N Fixed installation: max. 130 N

Article List

Part number	Article designation	Fibre type	Number of fibres	Outer diameter in mm max.	Weight kg/km
2185209	HITRONIC® POF DUPLEX PE-PVC	POF	2	6.0	37.4
2185210	HITRONIC® POF DUPLEX PVC-PVC	POF	2	6.1	38.4
2185040	HITRONIC® POF DUPLEX PE-PUR	POF	2	5.5	28



2185211	HITRONIC® POF DUPLEX HEAVY PE-PUR	POF	2	8.0	28
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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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