

HITRONIC® POF DUPLEX PE



Info

- Polymer optical fibre (POF) in DUPLEX version without outer sheath
- Transmission lengths up to 70 m

Benefits

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

- PE buffer tube is halogen-free

Approvals (Norm references)



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

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

Product features

- In Duplex version

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

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

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

- Mille-Tie cable ties see page 968
- Damage free cable bundles through: Mille-Tie™
- Connectors, tools and further accessories on request