

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

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)
- This type of fibre also has a strain relief made of aramide fibres and an outer sheath of PUR (orange)
- Standard designation: J-V2Y(ZN)11Y 1P980/1000

Product features

- Transmission lengths up to 70 m
- Outer sheath consists of a flame retardant polyurethane mixture and is resistance against oil, abrasion and microbes
- The polyurethane outer sheath is also halogen free, adhesion free and resistant against hydrolysis.



Cross-References

Accessories

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

Technical Data

Dimensions

POF 980/1000/5500 µm

Fibre type

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±0.05

Range of temperature

-40 °C to +70 °C

Permissible bending radius

Temporary: 30 mm Fixed installation: 50 mm

Permissible tensile force

SIMPLEX PE-PUR Temporary: max. 350 N Fixed installation: max. 100 N

Article List

Part number	Article designation	Fibre type	Number of fibres	Outer diameter in mm max.	Weight kg/km
2185030	HITRONIC® POF SIMPLEX PE-PUR	POF	1	5.5	25

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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