

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)
- Without outer sheath
- Standard designation: J-V2Y 1P980/1000

Product features

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



Cross-References

Accessories

Damage free cable bundles through: Mille-Tie™

Connectors, tools and further accessories on request

Technical Data

Dimensions

POF 980/1000/2200 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

Fixed installation: 25 mm

Permissible tensile force

Temporarily: max. 15 N

Fixed installation: max. 5 N

Article List

Part number	Article designation	Fibre type	Number of fibres	Outer diameter in mm max.	Weight kg/km
2185001	HITRONIC® POF SIMPLEX PE	POF	1	2.2	4.2

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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