

### Product Description

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



### Application range

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- 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
- Due to the UL approval, the fibre is suitable for applications in the USA and other countries where the approval is required.
- Transmission lengths up to 70 m
- Direct connector assembly

### Benefits

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

### Design

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- The fibre material is made of polymethylmethacrylate (PMMA)
- The protective cover directly over the step index fibre is grey PVC
- Colour: pebble grey (RAL 7032)
- Standard designation: J-VY 1P980/1000



**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

**Approvals**

In accordance with UL 1581 - Style 5237

**Fibre type**

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

**Minimum bending radius**

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**

-20°C up to +80°C

**Permissible tensile force**

SIMPLEX PVC Temporary: 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
2185201	HITRONIC® POF SIMPLEX PVC	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](http://www.lappkabel.de/en/cable-standardlengths)

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