

## HITRONIC® POF SIMPLEX CABLE

Polymer optical fibre as simplex fibre cable version with PUR sheath for fixed or flexible application

HITRONIC® POF Simplex PE cable version with PE buffer and PUR outer sheath, non-metallic strain relief  
J-V2Y(ZN)11Y 1P980/1000

### Info

Suitable for direct connector assembly



Oil-resistant



Low weight



Heat-resistant



Halogen-free

### Benefits

Optical data transmission up to 70m  
Easy to handle  
No interference by external fields  
No grounding problems  
Suitable for direct connector assembly

### Application range

For optical signal transmission in industrial applications  
As a link between moving parts  
FD cable version:  
for flexible applications (power chains)

### Product features

Resistant to abrasion, oil, microbes and hydrolysis  
Adhesion-free  
Outer sheath flame-retardant and halogen-free  
FD cable version:

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## HITRONIC® POF SIMPLEX CABLE

5.000.000 bending cycles

### Product Make-up

Polymer Optical Fibre (POF)  
PE buffer tube  
Aramid yarns as strain relief  
PUR outer sheath  
Colour: orange (RAL 2003)

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000034 ETIM 5.0 Class-Description: Fibre optic cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000034 ETIM 6.0 Class-Description: Fibre optic cable
Dimensions:	Buffered fibre: 2.2 mm Cable: see table
Fibre type:	POF - P980/1000
Standard designation:	J-V2Y(ZN)11Y
Optical fibre type:	Core material: PMMA Cladding material: fluoropolymers
Permissible bending radius:	≥ 10 x outer diameter
Permissible tensile force:	Fixed installation: 100 N Short-term: 600 N
Temperature range:	Operation: -20 °C to +70 °C Installation: -10 °C to +50 °C

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

**HITRONIC® POF SIMPLEX CABLE**

Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
HITRONIC® POF SIMPLEX PE-PUR					
28020001	HITRONIC® POF SIMPLEX PE-PUR	980/1000 POF	1	5.5	25
HITRONIC® POF SIMPLEX FD PE-PUR for draig chain application					
28320001	HITRONIC® POF SIMPLEX FD PE-PUR	980/1000 POF	1	6	30

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