

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:

Last Update (22.02.2024)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

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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:	$\geq 10 \times$ 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

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

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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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