

HITRONIC® POF DUPLEX CABLE

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

HITRONIC® POF DUPLEX PE cable with PE twin buffered fibres, PUR outer sheath, non-metallic strain relief, cable colour orange
J-V2Y(ZN)11Y 2P980/1000

Info

For direct connector assembly



Ethernet



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

FD cable version:

for flexible applications (power chains)

Product features

Outer sheath flame-retardant and halogen-free

Resistant to abrasion, oil, microbes and hydrolysis

Last Update (17.12.2024)

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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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Adhesion-free
FD cable version:
5.000.000 bending cycles

Product Make-up

Polymer Optical Fibre (POF)
PE buffer tube
Fibre colour coding: black, orange
Aramid yarns as strain relief
PUR outer sheath, 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
Core identification code:	Black, orange
Fibre type:	2x 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 (PE-PUR), 130 N (Heavy PE-PUR) Short-term: 400 N
Temperature range:	Operation: -40 °C to +7 °C (FD: -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

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.

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Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
HITRONIC® POF DUPLEX PE-PUR					
28020002	HITRONIC® POF DUPLEX PE-PUR	980/1000 POF	2	5.5	27
HITRONIC® POF DUPLEX HEAVY PE-PUR					
28030002	HITRONIC® POF DUPLEX HEAVY PE-PUR	980/1000 POF	2	8	57
HITRONIC® POF DUPLEX FD PE-PUR for draig chain application					
28320002	HITRONIC® POF DUPLEX FD PE-PUR	980/1000 POF	2	6	30

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