

HITRONIC[®] POF DUPLEX PE-PUR

DB28020002EN valid from: 13.06.2016

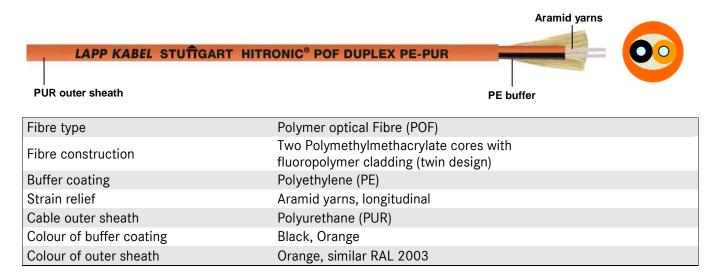
1. Product Description

Cable designation: J-V2Y(ZN)11Y 2P980/1000

2. Application

HITRONIC[®] POF DUPLEX PE-PUR are POF duplex core cables with PE buffer and reinforced PUR outer sheath for use in industrial environments. They are designed for optical signal transmission in dry rooms under high mechanical stress and rough environmental impact. The cables are suitable for direct connector assembly.

3. Cable Design



4. Optical and Physical Properties of Fibre

Attenuation coefficient	@ 650 nm dB/km	≤ 160
	@ 660 nm dB/km	≤ 230
Bandwidth	@ 650 nm MHz ·100m	≥ 10
Numerical aperture		0.5 ± 0.05
Core diameter	μm	980 ± 2
Cladding diameter	μm	1000 ± 2

5. Thermal Properties

Operating temperature	-40°C to +70°C
Installation temperature	-10°C to +50°C
Storage temperature	-40°C to +70°C

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6. Mechanical Properties

Number of fibres		2
Fibre diameter		2.2 mm
Cable outer diameter		5.5 mm
Cable weight		27 kg/km
Min. bending radius		10x cable ø
Max. tensile strength	fixed installation	100 N
	short term	400 N
Max. lateral pressure	fixed installation	100 N/10cm
	short term	1.000 N/10cm

7. Chemical Properties

PE inner sheath	Non-aging, halogen-free, good stability to acids and alkalis
PUR outer sheath	Flame-retardant, halogen-free

8. Approvals

This cable is conform to the EU-Directive 2011/65/EU: RoHS (Restriction of the use of hazardous substances)

9. Product Range Overview

Part number	Article designation	No. of Fibres	Outer ∅ (mm)
28020002	HITRONIC® POF DUPLEX PE-PUR	2	5.5

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