

U.I. Lapp GmbH	DATA SHEET/ Datenblatt	 LAPP GROUP
	HITRONIC® POF SIMPLEX PE	2 185001 valid from/ gültig ab: 01.05.2010

Description: Polymer optical simplex indoor fibre cable with PE jacket
for industrial use for optical signal transmission
at light mechanical stress

Application:

- For fixed installation in switch gear cabinets, cable ducts and tubes
- Optical signal transmission length up to 70 m
- Direct connector assembly

Standard designation: J-V2Y 1P980/1000 160A10

Construction:

Optical fibre: Polymer optical fibre (POF), step index fibre,
Polymethylmethacrylate (PMMA)-core and polymer cladding
P980/1000
Nominal diameter: 1.0 mm

Cladding: Polyethylene (PE), halogen free
Nominal diameter: 2.2 mm
Colour: black

Chemical characteristics:

PE cladding : non-ageing, halogen free,
good stability to acids and bases

Optical characteristics:

Max. attenuation:	(at 650 nm)	<190 dB/km
Bandwidth:	(at 650 nm)	10 MHz x 100 m
Numerical aperture:		0,5 ± 0,05

Mechanical characteristics:

Max. pull force:	(short-term)	15 N
	(long-term)	5 N
Min. bending radius:		25 mm
Approx. cable weight:		4 g/m

Temperature range:

Operating: -40°C to +70°C

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