



HITRONIC® POF SIMPLEX CABLE

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

i Info

- Suitable for direct connector assembly



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: 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 5/6
 ETIM 5.0/6.0 Class-ID: EC000034
 ETIM 5.0/6.0 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

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

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.

Accessories

- POF Assembly Sets refer to page 488
- POF Cutting Tools refer to page 488
- POF Connector F-SMA and ST(BFOC) refer to page 486
- UNIVERSAL STRIP stripping tool refer to page 990
- STAR STRIP stripping tool refer to page 985