



## HITRONIC® POF DUPLEX CABLE

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

**Info**

- 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
- FD cable version: for flexible applications (power chains)

### Product features

- Outer sheath flame-retardant and halogen-free
- Resistant to abrasion, oil, microbes and hydrolysis
- 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 5/6**  
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

**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

Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
<b>HITRONIC® POF DUPLEX PE-PUR</b>					
28020002	HITRONIC® POF DUPLEX PE-PUR	980/1000 POF	2	5.5	27
<b>HITRONIC® POF DUPLEX HEAVY PE-PUR</b>					
28030002	HITRONIC® POF DUPLEX HEAVY PE-PUR	980/1000 POF	2	8	57
<b>HITRONIC® POF DUPLEX FD PE-PUR for draig chain application</b>					
28320002	HITRONIC® POF DUPLEX FD PE-PUR	980/1000 POF	2	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](http://www.lappkabel.de/en/cable-standardlengths)  
Photographs and graphics are not to scale and do not represent detailed images of the respective products.

### Similar products

- HITRONIC® POF SIMPLEX CABLE refer to page 481
- HITRONIC® POF cables for PROFINET Applications refer to page 484

### 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
- POF Connector SC-RJ refer to page 487
- UNIVERSAL STRIP stripping tool refer to page 990
- STAR STRIP stripping tool refer to page 985