



## HITRONIC® POF DUPLEX BUFFERED FIBRES

Polymer optical fibre as duplex buffered fibres version with PE sheath



### Info

- For direct connector assembly

### Benefits

- Transmission lengths up to 70 m
- Suitable for direct connector assembly
- Easy to handle
- No crosstalk
- EMC protection

### Application range

- For optical signal transmission in industrial applications
- Very suitable for fixed installation in control cabinets, cable ducts, or pipes with low mechanical stress
- Light mechanical stress
- Identification by white dots

### Product features

- Halogen-free
- Lightweight
- High flexibility

### Product Make-up

- Polymer Optical Fibre (POF)
- Twin cable
- PE buffer tube
- Without outer sheath
- Colour: black

### Technical data

	<b>Classification ETIM 5/6</b> ETIM 5.0/6.0 Class-ID: EC000034 ETIM 5.0/6.0 Class-Description: Fibre optic cable
	<b>Dimensions</b> Twin cable 2x2.2mm
	<b>Core identification code</b> Black/black with white dots
	<b>Fibre type</b> POF - P980/1000
	<b>Standard designation</b> J-V2Y
	<b>Optical fibre type</b> Core material: PMMA Cladding material: fluoropolymers
	<b>Permissible bending radius</b> ≥ 10 x outer diameter
	<b>Permissible tensile force</b> Fixed installation: 10 N Short-term: 30 N
	<b>Temperature range</b> Operation: -55°C to +85°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 BUFFERED FIBRES</b>					
28000002	HITRONIC® POF DUPLEX PE	980/1000 POF	2	2.2	7.6

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 BUFFERED FIBRE refer to page 480
- HITRONIC® POF DUPLEX CABLE refer to page 483
- HITRONIC® POF cables for PROFINET Applications refer to page 484

### Accessories

- POF Connector and Adapter HFBR refer to page 485
- 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
- TY-GRIP® FOL/ FO cable tie refer to page 1046