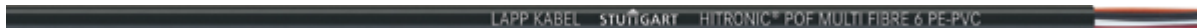


Product Description

EMC security; Clear galvanit separation; No crosstalk; Low weight High flexibility; Easy to handle



Application range

- Plastic optical fibres for industrial use in the optical signal transmission
- For fixed installation in control cabinets, cable ducts or pipes with simple mechanical stress
- The cable is only for static laying, not free hanging (approx. 10 m connecting between electric control box)

Benefits

- EMC security
- Clear galvanit separation
- No crosstalk
- Low weight High flexibility
- Easy to handle

Design

- The fibre material is made of polymethylmethacrylate (PMMA)
- The protective cover directly over the step index fibre is made of coloured polyethylene (PE)
- With 6 coloured coded fibers and tear strip
- Colour code fibres: black, white, red, green, grey and orange
- The type of fibres are stranded and with an outer sheath of PVC (black)

Cross-References

Accessories

Damage free cable bundles through: Mille-Tie™

Connectors, tools and further accessories on request

Technical Data

Dimensions

POF 6 x 980/1000/2200 µm

Fibre type

Step index fibre

Core material: Polymethylmetacrylate (PMMA)

Cladding material: Fluoropolymers

Optical values

Attenuation at 650 nm wavelength: 160 dB/km

Bandwidth-length product: 120 MHz x 20 m at 650

nm Numerical aperture: 0.5±0.05

Range of temperature

For installation: -5°C up to +50°C After installation: -30°C up to +70°C

Permissible bending radius

Fixed installation: 7.5 x cable diameter

Permissible tensile force

MULTI FIBRE 400 N

SIMPLEX FIBRE Temporary: max. 15 N Fixed installation: max. 5 N

Article List

Part number	Article designation	Fibre type	Number of fibres	Outer diameter in mm max.	Weight kg/km
MULTI FIBRE					
3036010	HITRONIC® POF MULTI FIBRE 6 PE-PVC	POF	6	8.8	63
SIMPLEX FIBRE					
3035565	HITRONIC® POF SIMPLEX PE black	POF	1	2.2	4.2
3035566	HITRONIC® POF SIMPLEX PE white	POF	1	2.2	4.2
3035567	HITRONIC® POF SIMPLEX PE red	POF	1	2.2	4.2
3035568	HITRONIC® POF SIMPLEX PE green	POF	1	2.2	4.2
3035569	HITRONIC® POF SIMPLEX PE grey	POF	1	2.2	4.2
3035570	HITRONIC® POF SIMPLEX PE orange	POF	1	2.2	4.2

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Also versions with more fibres available.

Photographs are not to scale and do not represent detailed images of the respective products.