

Plastic Fiber

Special cables: PUR

It's easy...it's plastic fiber!



- Termination in 30sec., no specific tools required
- Outer jacket in polyurethane (PUR)
- High flexibility
- Extremely high tensile strength
- Extremely resistant to shocks and vibrations
- High resistance to oils and industrial fluids
- 100% immune to EMI
- Galvanic isolation
- Electrical insulator, can be laid next to power lines
- Visible light: it's eye-safe and easy to test for continuity

Applications

- Video surveillance over IP - Ethernet
 - Maritime applications
 - Industrial automation
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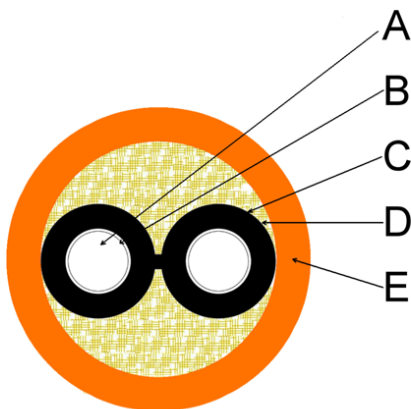
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Technical specifications

Plastic fiber	SI-POF
Fiber diameter (um)	980/1000
Bandwidth	30 MHz * 100m
Numerical aperture	0.46 ± 0.025
Attenuation @525nm (dB)	100 max
Attenuation @650nm (dB)	150 max
Outer jacket	Polyurethane (PUR)
Cable diameter (mm)	5.5
Weight (kg/km)	30
Tensile strength (N)	300 max (@ 25°C)
Bending radius (mm)	60 min (@ 25°C)
Operating temperature (°C)	-40 to +85

Cable description



- A) Core:
PolyMethylMethAcrylate (PMMA)
- B) Cladding:
Fluorinated polymer
- C) Inner Jacket:
PE-HD, M1 quality
- D) Fillers:
Aramid yarn - Kevlar
- E) Outer Jacket:
Polyurethane (PUR)