

Plastic Fiber

Special cable: Anti-rodent

It's easy...with LiteWire!



- Simplex and duplex anti-rodent cable
- Termination in 30sec., no specific tools required
- Extremely high tensile strength
- Very high flexibility
- Very high resistance to shocks and vibrations
- Double steel armoring and Kevlar
- 100% immune to EMI
- Galvanic isolation
- Electrical insulator, can be laid next to electrical power lines
- Visible light is used to test correct installation

Applications

- Video surveillance and Ethernet networks
 - Protection against rodents
 - Extremely high tensile strength
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Simplex



Plastic fiber	SI-POF (980/1000)
Bandwidth	30 MHz * 100m
Numerical aperture	0.46 ± 0.025
Attenuation @525nm (dB)	100 max
Attenuation @650nm (dB)	150 max
Strength member	Aramid yarn
Inner jacket	PE-M1
Outer jacket	PE
Cable diameter (mm)	4.8
Weight (kg/km)	60
Tensile strength (N)	500 max (@ 25°C)
Bending radius (mm)	50 min (@ 25°C)
Operating temperature (°C)	-40 a +85

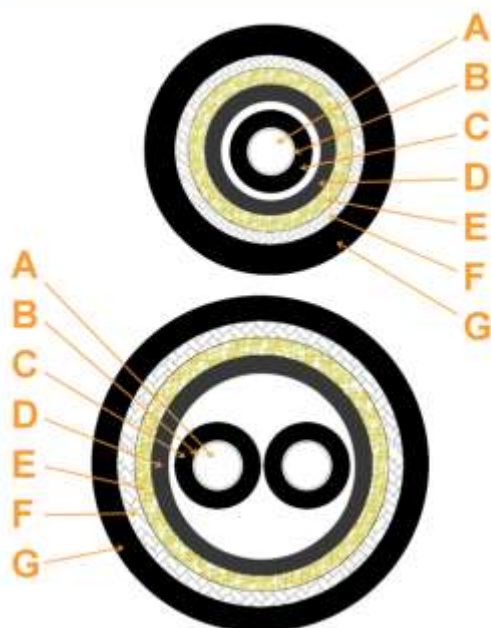
Technical specifications

Duplex



Plastic fiber	SI-POF (980/1000)
Bandwidth	30 MHz * 100m
Numerical aperture	0.46 ± 0.025
Attenuation @525nm (dB)	100 max
Attenuation @650nm (dB)	150 max
Strength member	Aramid yarn
Inner jacket	PE-M1
Outer jacket	PE
Cable diameter (mm)	8.4
Weight (kg/km)	120
Tensile strength (N)	800 max (@ 25°C)
Bending radius (mm)	84 min (@ 25°C)
Operating temperature (°C)	-40 to +85

Cable description



- A) Core:
PolyMethylMethAcrylate (PMMA)
- B) Cladding:
Fluorinated polymer
- C) Fiber jacket:
PE-HD, M1 quality
- D) First armoring:
Reinforced steel tube
- E) Strength member:
Aramid yarn - Kevlar
- F) Second armoring:
Steel mesh
- G) Outer jacket:
PE