i-Net Networks



Fiber Optic Indoor Cable

Specification

The cable meets EIA-TIA 455 and IEC-60794 Optical characteristics meets ISO/IEC 11801 Meets IEC 60332-1 fire safety standard

Description

Fiber optic cable, multi-mode and single-mode, 2 fibers General purpose indoor LAN cable Suitable for installation in a work area, premises wiring, patch cords Short distance data transmission

Technical Characteristic



1–Jacket 2–Hydrophobous Extender 3–Fiber Optic

Material

Conductive material: optical fiber 9/125 μ , 50/125 μ , 62.5/125 μ Fiber insulation: tight buffer Armoring and waterproofing: dielectric aramid strength yarns Outer jacket: flame-retardant PVC (polyvinylchloride)

Fiber diameter	125 ± 1µm	Tension force (operation)	250 N
The insulated fiber diameter	242 ± 7µm	Crushing force	220 N/cm (558.8 N/in)
Fiber jacket diameter	0.9 mm (0.03")	Impact resistance	1.5 N*m (4.92 N*ft)
Cable outer diameter	2.8 x 6.0 mm (0.11 x 0.24")	Flexing resistance	1000 cycles
Fiber jacket tensile strength	1.3-8.9 N	Cabling temperature	-5°C - +50°C (+23°F - +122°F)
Fiber jacket out-of-roundness	1% or less	Operation temperature	-25°C - +75°C (-13°F - +167°F
Minimum bend radius	42 mm (1.65")	Storage temperature	-25°C - +75°C (-13°F - +167°F
Max. number of bends	10 000 times	Weight of 1 km of cable	15.4 kg
Tension force (cabling)	450 N	Standard packing	1000 m (3280.84 ft)

Ordering Information

HIFLN-50-02	i-Net Networks Horizontal Indoor Fiber Cable Loose Tube Multimode 50/125µ 2 Core Non LSZH
HIFLL- <mark>50-02</mark>	i-Net Networks Horizontal Indoor Fiber Cable Loose Tube Multimode 50/125µ 2 Core LSZH
50	50—Multimode 50/125µ, 62—Multimode 62.5/125µ, 09—Singlemode 9/125µ
02	02-2Core

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