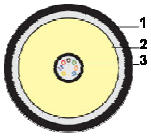
# Fiber Optic Single Loose Tube Cable

## Specification

Meets EIA/TIA-455 and EIA/TIA FOTP 82B
Meets IEC- 60794 and IEC-60794-1-F5
Optical characteristics meets ISO/IEC 11801
Meets IEC 60332-1 fire safety standard




1–Jacket
2–Hydrophobous Extender
3–Fiber Optic

## Description

Fiber optic cable, multi loose tube, 2 – 24 fibers
General purpose LAN cable for Indoor and Outdoor
Campus backbone and building riser cabling
Inter/Intra-building routing

## Material

Conducting material: fiber optic 9/125µ, 50/125µ, 62.5/125µ
Fiber insulation: Polybutylene Terephthalate module (tube)
Sheathing and waterproofing: waterproofing aramid strength yarns
Module filling: filled with waterproofing thixotropic gel
Outer sheathing: UVR-resistant polyethylene

## Technical Characteristic

| | | | |
|---|---|---|---|
| Fiber diameter | 125 ± 1µm | Tension force (operation) | 1600 N |
| The insulated fiber diameter | 242 ± 7µm | Crushing force | 440 N/cm (1117.6 N/in) |
| Fiber jacket diameter | 2.1 mm (0.08") | Repeated impact resistance | N = 20 |
| Cable outer diameter | 7.3 mm (0.29") | Flexing resistance | 25 cycles |
| Fiber jacket tensile strength | 1.3-8.9 N | Operation temperature | -40°C – +75°C (-40°F – +167°F) |
| Fiber jacket out-of-roundness | 1% or less | Storage temperature | -40°C – +75°C (-40°F – +167°F) |
| Minimum bend radius | 146 mm (5.75") | Weight of 1 km of cable | 50~100 kg (110.23~220.46 lbs) |
| Tension force (cabling) | 2700 N | Standard bunch | 2000 m (6561.6 ft) |

## Ordering Information

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|---|---|
| RSLN-**50**-**04** | i-Net Networks Riser Cable Single Loose Tube Multimode 50/125µ 4 Core Non LSZH |
| RSLL-**50**-**04** | i-Net Networks Riser Cable Single Loose Tube Multimode 50/125µ 4 Core LSZH |
| **50** | **50**—Multimode 50/125µ, **62**—Multimode 62.5/125µ, **09**—Singlemode 9/125µ |
| **04** | **04**—4Core, **06**—6Core, **08**—8Core, **12**—12Core, **24**—24Core |