

## Fiber Optic Armored 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



### Description

Fiber optic cable, single loose tube, 2 – 24 fibers  
 Waterproof steel armored band,  
 General purpose LAN cable for Indoor and Outdoor  
 Campus backbone and building riser cabling  
 Inter/Intra-building underground cabling

### Material

Conductive material: optical fiber 9/125μ, 50/125μ, 62.5/125μ  
 Fiber insulation: Polybutylene Terephthalate module (loose tube)  
 Armoring and waterproofing: Water Blocking Aramid Strength Yarns  
 Filler: Filled with Thixotropic gel protects from water corrugation  
 Outer sheathing: UV-resistant polyethylene  
 Armor: corrugated steel band

### Technical Characteristic

Fiber diameter	125 ± 1μm	Crushing force	800 N/cm (24384 N/ft)
The insulated fiber diameter	242 ± 7μm	Repeated impact resistance	N = 20
Fiber jacket diameter	2.1 mm (0.08")	Flexing resistance	25 cycles
Cable outer diameter	11.9 mm (0.47")	Cabling temperature	-20°C – +70°C (-4°F – +158°F)
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	238 mm (9.38")	Weight of 1 km of cable	75~150 kg (165.34~330.69 lbs)
Tension force (cabling)	2700 N	Standard bunch	2000 m (6561.6 ft)
Tension force (operation)	1600 N		

### Ordering Information

<b>RASLN-50-04</b>	i-Net Networks Riser Cable Armored Single Loose Tube Multimode 50/125μ 4 Core Non LSZH
<b>RASLL-50-04</b>	i-Net Networks Riser Cable Armored Single Loose Tube Multimode 50/125μ 4 Core LSZH
<b>50</b>	<b>50</b> —Multimode 50/125μ, <b>62</b> —Multimode 62.5/125μ, <b>09</b> —Singlemode 9/125μ
<b>04</b>	<b>04</b> —4Core, <b>06</b> —6Core, <b>08</b> —8Core, <b>12</b> —12Core, <b>24</b> —24Core