

Fiber Optic Armored Multi 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, 24 – 288 fibers
 Waterproof steel armored band,
 General purpose LAN cable for Indoor and Outdoor
 Campus backbone and building riser cabling
 Inter/Intra-building underground cabling

Technical Characteristic

Fiber diameter	125 ± 1µm	Crushing force	3000 N/cm
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	14/ 15.7/ 16.8/ 18.9/ 21.5 mm	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)
Tension force (cabling)	3000 N	Weight of 1 km of cable	100~600 kg (220.46~1322.75 lbs)
Tension force (operation)	1000 N	Standard bunch	1000 m (3280.84 ft)

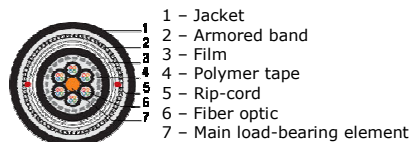
Ordering Information

RAMLN-**50-024** i-Net Networks Riser Cable Armored Multi Loose Tube Multimode 50/125µ 24 Core Non LSZH

RAMLL-**50-024** i-Net Networks Riser Cable Armored Multi Loose Tube Multimode 50/125µ 24 Core LSZH

50 **50**—Multimode 50/125µ, **62**—Multimode 62.5/125µ, **09**—Singlemode 9/125µ

024 **024**—24Core, **048**—48Core, **096**—96Core, **144**—144Core, **192**—192Core, **240**—240Core, **288**—288Core



Material

Conductive material: optical fiber 9/125µ, 50/125µ, 62.5/125µ
 Fiber insulation: Polybutylene Terephthalate module (loose tube)
 Armoring and Waterproofing: Waterproofing Tape
 Filler: Thixotropic gel which protects from water corrugation
 Outer sheathing: UV-resistant polyethylene
 Armor: corrugated steel band
 Central strength member: dielectric load-bearing element