



REPRESENTATIVE IMAGE

**Product:** [TF-1LG-024-RI5](#)

Factory, In+Outdoor, MLT, OM1, 24f, Gel Tubes 2.8mm, AIA, Dbl Jkt - PVC, OFCR, Ozone-UV-Oil Res

**Product Description**

Factory Grade, Indoor/Outdoor, Multi-Loose-Tube, OM1, 24 Fibers, Gel Filled Tubes 2.8mm, Aluminum Interlock Armor, Double Jacket - PVC, OFCR, Ozone-UV-Oil Resistant

**Technical Specifications**

**Product Overview**

Product Category:	Fiber Multi-Loose Tube Cable
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, Rodent Proof

**Fiber Specifications**

Fiber Type:	OM1
Fiber Core Diameter:	62.5 $\mu$ m
Fiber Diameter:	250 $\mu$ m
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

**Cable Construction**

Number of Active Subunits:	2
Number of Fillers:	3
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	TIA-598-D
Central Strength Member:	GRP
Core Wrap:	Waterblocking Tape

**Inner Jacket Specifications**

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Color:	Black

**Armor Specifications**

Armor Type and Material:	AIA - Aluminum Interlock Armor
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**Outer Jacket Specifications**

Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.765 in (19.4 mm)

**Optical Characteristics**

Wavelength	850 nm	1300 nm
Max. Attenuation	3.25 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	300 m	550 m
10 Gigabit Ethernet Performance	33 m	—

Min. Restricted Mode Launch	220 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	200 MHz.km	500 MHz.km

## Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	242 lbs/kft (360 kg/km)

## Temperature Range

Installation Temp Range:	-10°C to +60°C
Operating Temp Range:	-40°C to +70°C
Storage Temp Range:	-40°C to +70°C

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Oil Resistance
Flammability / Reaction to Fire:	OFRC, FT4
ICEA Compliance:	S-104-696

## History

Update and Revision:	Revision Number: 0.15 Revision Date: 04-08-2022
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