

Product: TF-1LG-012-R25

Factory, In+Outdoor, MLT, OM1, 12f, Gel Tubes 2.8mm, Dbl Jkt - PVC, OFNR, O3 UV Oil Res

Product Description

Factory Grade,Indoor/Outdoor, Multi-Loose-Tube, OM1, 12 Fibers, Gel Filled Tubes 2.8mm, Double Jacket - PVC, OFNR, Ozone, UV, Oil Res

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

Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5 µm
Fiber Diameter:	250 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Number of Fillers:	4
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

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.514 in (13.1 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:	15x 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:	220 N/cm
Bulk Cable Weight:	104 lbs/kft (155 kg/km)

Temperature Range

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

Standards and Compliance

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

Product Notes

Notes:	Ozone, Hydraulic fluid resistant

History

Update and Revision:	Revision Number: 0.22 Revision Date: 11-14-2022

Part Numbers

Variants

Item #	Color	Putup Type
TF-1LG-012-R25N	Black	Reel

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