



**Product:** [TT-1LG-024-HSN](#)

RailTuff, In+Outdoor, MLT, OM1, 24f, Gel Tubes 2.8mm, CST, Sgl Jkt, Blk, LSZH, OFCG-ST1

### Product Description

Transit Grade, Indoor/Outdoor, Multi-Loose-Tube, OM1, 24 Fibers, Gel Filled Tubes 2.8mm, Corrugated Steel Tape, Single Jacket, Black, LSZH, OFCG-ST1

### Technical Specifications

#### Product Overview

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

#### Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 µm
Fiber Diameter:	250 µm
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

#### Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape
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#### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.530 in (13.5 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
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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

### 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, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFCG-ST1, FT4
ICEA Compliance:	S-104-696
Other Standard Compliance(s):	NFPA 130, NFPA 502

### History

Update and Revision:	Revision Number: 0.14 Revision Date: 11-14-2022
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### Part Numbers

#### Variants

Item #	Color	Putup Type	UPC
TT-1LG-024-HSNN	Black	Cut to Length	612825486602

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