



REPRESENTATIVE IMAGE

**Product:** [TT-SLG-036-HTN](#)

Transit, In+Outdoor, MLT, OS2, 36f, Gel Tubes 2.8mm, CST, Dbl Jkt - LSZH, OFCG-ST1

## Product Description

Transit Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 36 Fibers, Gel Filled Tubes 2.8mm, Corrugated Steel Tape, Double Jacket - LSZH, OFCG-ST1

## 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:	OS2
Fiber Core Diameter:	8.2/125 $\mu\text{m}$
Fiber Diameter:	250 $\mu\text{m}$
Fiber Count:	36
Fiber Color Coding:	TIA-598-D

### Cable Construction

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

### Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.454 in (11.5 mm)
Color:	Black
Number of Ripcords:	1

### Armor Specifications

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

Strength Member:	Waterblocking Aramid Yarns
Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.630 in (16.0 mm)
Number of Ripcords:	2

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 dB/km

Mode Field Diameter	9.2 µm	10.4 µm
1 Gigabit Ethernet Performance	5,000 m	-
10 Gigabit Ethernet Performance	10,000 m	40,000 m

## 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:	220 N/cm
Bulk Cable Weight:	176 lbs/kft (262 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, 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: 0.28 Revision Date: 04-08-2022
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