



**Product:** [TT-SAD-012-H2N](#)

Transit, In+Outdoor, Artic MLT, OS2, 12f, Dry Tubes 2.8mm, Dbl Jkt - LSZH, OFNG-ST1

## Product Description

Transit Grade, Indoor/Outdoor, Artic Multi-Loose-Tube, OS2, 12 Fibers, Dry Tubes 2.8mm, Double Jacket - LSZH, OFNG-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

### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 $\mu\text{m}$
Fiber Diameter:	250 $\mu\text{m}$
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	1
Number of Fillers:	5
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Free
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	Blue
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape

### Inner Jacket Specifications

Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Color:	Black

### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.575 in (14.6 mm)
Number of Ripcords:	1

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.35 dB/km	0.25 dB/km
Mode Field Diameter	9.2 $\mu\text{m}$	10.4 $\mu\text{m}$
1 Gigabit Ethernet Performance	5000 m	-
10 Gigabit Ethernet Performance	-	-

### Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	4400 N (990 lbf)
Max. Tensile Strength During Operation:	1300 N (290 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	140 lbs/kft (209 kg/km)

## Temperature Range

Installation Temperature Range:	-30C to +50C
Operating Temperature Range:	-50C to +70C
Storage Temperature Range:	-50C to +70C

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFNG-ST1, FT4
ICEA Compliance:	S-104-696

## History

Update and Revision:	Revision Number: 0.26 Revision Date: 11-14-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type
TT-SAD-012-H2NN	Black	Reel

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