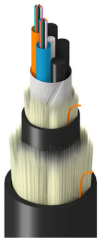

Product: TT-1AD-024-H2N

Transit, In+Outdoor, Artic MLT, OM1, 24f, Dry Tubes 2.8mm, Dbl Jkt - LSZH, OFNG-ST1

Product Description

Transit Grade, Indoor/Outdoor, Artic Multi-Loose-Tube, OM1, 24 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:	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:	4
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Free
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	Blue, Orange
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	850 nm	1300 nm
Max. Attenuation	3.5 dB/km	1.2 dB/km
1 Gigabit Ethernet Performance	300 m	550 m
10 Gigabit Ethernet Performance	-	-
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:	4400 N (990 lbf)
Max. Tensile Strength During Operation:	1300 N (290 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	139 lbs/kft (207 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

Part Numbers

Variants

Item #	Color	Putup Type
TT-1AD-024-H2NN	Black	Reel

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