

Product: TU-1D9-012-RN2

Tray, In+Outdoor, DN, OM1, 12f, Non-Unit, Sgl Jkt, Blk, CPE, OFNR, Oil Res 1/2

Product Description

Tray Grade, Indoor/Outdoor, Distribution, OM1, 12 Fibers, Non-Unit 900um, Single Jacket, Black, CPE, OFNR, Oil Res 1 & 2

Technical Specifications

Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, Oil Res 1 /2

Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/120 µm
Fiber Diameter:	250 µm
Buffer Material:	PVC - Polyvinyl Chloride
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Fibers Per Subunit:	12

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	CPE - Chlorinated Polyethylene
Nom. Diameter:	0.260 in (6.6 mm)
Number of Ripcords:	1

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.5 dB/km	1.25 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:	660 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	27 lbs/kft (40 kg/km)

Temperature Range

Installation Temperature Range:	-10°C to +60°C
Operating Temperature Range:	-50°C to +70°C
Storage Temperature Range:	-50°C to +70°C

Standards and Compliance

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

History

Update and Revision:	Revision Number: 0.14 Revision Date: 11-14-2022

Part Numbers

Variants

Item #	Color	Putup Type	UPC
TU-1D9-012-RN2N	Black	Cut to Length	612825485278

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