



**Product:** [TU-3D9-012-RI2](#) 

Tray, In+Outdoor, DN, OM3, 12f, Non-Unit, AIA, Dbl Jkt, Blk, CPE, OFCR, Oil Res 1/2

## Product Description

Tray Grade, Indoor/Outdoor, Distribution, OM3, 12 Fibers, Non-Unit 900um, Aluminum Interlock Armor, Double Jacket, Black, CPE, OFCR, 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, Rodent Proof

### Fiber Specifications

Fiber Type:	OM3
Fiber Core Diameter:	50/125 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

### Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.260 in (6.6 mm)
Color:	Black
Number of Ripcords:	1

### Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor
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### Outer Jacket Specifications

Material:	CPE - Chlorinated Polyethylene
Nom. Diameter:	0.570 in (14.5 mm)

### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	1000	550
10 Gigabit Ethernet Performance	300 m	-
Min. Effective Modal Bandwidth (EMB)	2000 MHz.km	-
Min. Overfilled Launch (OFL) Bandwidth	700 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:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	135 lbs/kft (201 kg/km)

## Temperature Range

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

## Standards and Compliance

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

## History

Update and Revision:	Revision Number: 0.10 Revision Date: 04-08-2022
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