



**Product:** [TU-SBB-002-RI2](#)



Tray, In+Outdoor, BO, OS2, 2f, Subunit 2.0mm, AIA, Dbl Jkt, Blk, CPE, OFCR, Oil Res 1/2

## Product Description

Tray Grade, Indoor/Outdoor, Breakout, OS2, 2 Fibers, Subunits 2.0mm 900um, Aluminum Interlock Armor, Double Jacket, Black, CPE, OFCR, Oil Res 1 & 2

## Technical Specifications

### Product Overview

Product Category:	Fiber Breakout 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:	OS2
Fiber Core Diameter:	8.2/125 $\mu\text{m}$
Fiber Diameter:	250 $\mu\text{m}$
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 $\mu\text{m}$
Fiber Count:	2
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	2
Fibers Per Subunit:	1
Subunit Diameter:	0.078 in (2.0 mm)
Subunit Color:	Yellow
Subunit Strength Members:	Waterblocking aramid yarns
Core Wrap:	Waterblocking tape

### 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

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

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.50 dB/km	0.50 dB/km
Mode Field Diameter	9.2 $\mu\text{m}$	10.4 $\mu\text{m}$

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:	1335 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	125 lbs/kft (187 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, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFCR, FT4
ICEA Compliance:	S-104-696

## History

Update and Revision:	Revision Number: 0.11 Revision Date: 04-08-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
TU-SBB-002-R12N	Black	Cut to Length	612825485032

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