



Product: [TU-SBB-012-RI2](#)

Tray, In+Outdoor, BO, OS2, 12f, Subunit 2.0mm, AIA, Dbl Jkt, Blk, CPE, OFCR, Oil Res 1/2

Product Description

Tray Grade, Indoor/Outdoor, Breakout, OS2, 12 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 µm               |
| Fiber Diameter:      | 250 µm                   |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 µm                   |
| Fiber Count:         | 12                       |
| Fiber Color Coding:  | TIA-598-D                |

Cable Construction

|                            |                            |
|----------------------------|----------------------------|
| Number of Active Subunits: | 12                         |
| Fibers Per Subunit:        | 1                          |
| Subunit Diameter:          | 0.078 in (2.0 mm)          |
| Subunit Color:             | Yellow                     |
| Subunit Strength Members:  | Waterblocking aramid yarns |
| Central Strength Member:   | Upjacketed GRP             |
| Core Wrap:                 | Waterblocking tape         |

Inner Jacket Specifications

|                     |                            |
|---------------------|----------------------------|
| Strength Member:    | Waterblocking Aramid Yarns |
| Material:           | PVC - Polyvinyl Chloride   |
| Nom. Diameter:      | 0.540 in (13.7 mm)         |
| Color:              | Black                      |
| Number of Ripcords: | 1                          |

Armor Specifications

|                          |                                |
|--------------------------|--------------------------------|
| Armor Type and Material: | AIA - Aluminum Interlock Armor |
|--------------------------|--------------------------------|

Outer Jacket Specifications

|                  |                                |
|------------------|--------------------------------|
| Jacket Material: | CPE - Chlorinated Polyethylene |
| Nom. Diameter:   | 0.950 in (24.1 mm)             |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|------------|---------|---------|
|------------|---------|---------|

|                                 |            |            |
|---------------------------------|------------|------------|
| Max. Attenuation                | 0.50 dB/km | 0.50 dB/km |
| Mode Field Diameter             | 9.2 μm     | 10.4 μm    |
| 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:                         | 245 lbs/kft (365 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: 0.16 Revision Date: 11-14-2022 |
|----------------------|---|

Part Numbers

Variants

| Item #          | Color | Putup Type    | UPC          |
|-----------------|-------|---------------|--------------|
| TU-SBB-012-R12N | Black | Cut to Length | 612825485056 |

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