



Product: [TF-SBB-002-RI5](#)

Factory, In+Outdoor, BO, OS2, 2f, Subunit 2.0mm, AIA, Dbl Jkt - PVC, OFCR, Ozone-UV-Oil Res

Product Description

Factory Grade, Indoor/Outdoor, Breakout, OS2, 2 Fibers, Subunits 2.0mm 900um, Aluminum Interlock Armor, Double Jacket - PVC, OFCR, Ozone-UV-Oil Resistant

Technical Specifications

Product Overview

|                        |                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Product Category:      | Fiber Breakout Cable                                                                                                        |
| Suitable Applications: | Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, Rodent Proof |

Fiber Specifications

|                      |                          |
|----------------------|--------------------------|
| Fiber Type:          | OS2                      |
| Fiber Core Diameter: | 8.2 µm                   |
| Fiber Diameter:      | 250 µm                   |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 µm                   |
| Fiber Count:         | 2                        |
| Fiber Color Coding:  | TIA-598-D                |

Cable Construction

|                            |                            |
|----------------------------|----------------------------|
| Number of Active Subunits: | 2                          |
| Fibers Per Subunit:        | 1                          |
| Subunit Diameter:          | 0.78 in (2.0 mm)           |
| Subunit Color:             | Yellow                     |
| Subunit Strength Members:  | Waterblocking aramid yarns |

Inner Jacket Specifications

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

Armor Specifications

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

Outer Jacket Specifications

|                  |                          |
|------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter:   | 0.570 in (14.5 mm)       |

Optical Characteristics

| Wavelength                     | 1310 nm    | 1550 nm    |
|--------------------------------|------------|------------|
| Max. Attenuation               | 0.40 dB/km | 0.30 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:                          | 220 N/cm                |
| Bulk Cable Weight:                         | 131 lbs/kft (195 kg/km) |

Temperature Range

|                                 |                |
|---------------------------------|----------------|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range:    | -40°C to +70°C |
| Storage Temperature Range:      | -40°C to +70°C |

Standards and Compliance

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| Environmental Suitability:       | Indoor/Outdoor, Sunlight Resistance, Oil Resistance |
| Flammability / Reaction to Fire: | OFCR, FT4                                           |
| ICEA Compliance:                 | S-104-696                                           |

Product Notes

|        |                                  |
|--------|----------------------------------|
| Notes: | Ozone, Hydraulic fluid resistant |
|--------|----------------------------------|

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.20 Revision Date: 11-14-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | Putup Type |
|-----------------|-------|------------|
| TF-SBB-002-RI5N | Black | Reel       |

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