



Product: [TT-1BB-012-LIN](#)

Transit, In+Outdoor, BO, OM1, 12f, Subunit 2.0mm, AIA, Dbl Jkt - LSZH, OFCR-ST1

Product Description

Transit Grade, Indoor/Outdoor, Breakout, OM1, 12 Fibers, Subunits 2.0mm 900um, Aluminum Interlock Armor, Double Jacket - LSZH, OFCR-ST1

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:          | OM1                           |
| Fiber Core Diameter: | 62.5/125 µm                   |
| Fiber Diameter:      | 250 µm                        |
| Buffer Material:     | LSZH - Low Smoke Zero Halogen |
| 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:             | Orange                     |
| Subunit Strength Members:  | Waterblocking Aramid Yarns |
| Central Strength Member:   | Upjacketed GRP             |
| Core Wrap:                 | Waterblocking Tape         |

Inner Jacket Specifications

|                     |   |
|---------------------|---|
| Strength Member:    | Waterblocking Aramid Yarns                      |
| Material:           | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| 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

|                  |   |
|------------------|---|
| Strength Member: | Waterblocking Aramid Yarns                      |
| Jacket Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter:   | 0.950 in (24.1 mm)                              |

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:      | 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:                         | 61 lbs/kft (91 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, Burial |
| Sustainability:                  | CA Prop 65                                  |
| Flammability / Reaction to Fire: | OFCR-ST1, FT4                               |
| ICEA Compliance:                 | S-104-696                                   |
| Other Standard Compliance(s):    | NFPA 130, NFPA 502                          |

History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.29 Revision Date: 11-14-2022 |
|----------------------|---|

Part Numbers

Variants

| Item #          | Color | Putup Type |
|-----------------|-------|------------|
| TT-1BB-012-LINN | Black | Reel       |

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