



Product: [TT-SBB-006-LIN](#)

Transit, In+Outdoor, BO, OS2, 6f, Subunit 2.0mm, AIA, Dbl Jkt - LSZH, OFCR-ST1

Product Description

Transit Grade, Indoor/Outdoor, Breakout, OS2, 6 Fibers, Subunits 2.0mm 900um, Aluminum Interlock Armor, Double Jacket - LSZH, OFCR-ST1

Technical Specifications

Product Overview

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

Fiber Specifications

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|----------------------|-------------------------------|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 μ m |
| Fiber Diameter: | 250 μ m |
| Buffer Material: | LSZH - Low Smoke Zero Halogen |
| Buffer Diameter: | 900 μ m |
| Fiber Count: | 6 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|----------------------------|
| Number of Active Subunits: | 6 |
| 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

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|---------------------|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nominal Diameter: | 0.358 in (9.1 mm) |
| Color: | Black |
| Number of Ripcords: | 1 |

Armor Specifications

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

Outer Jacket Specifications

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|-------------------|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nominal Diameter: | 0.710 in (18.0 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

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

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance, Burial |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | OFCR-ST1, FT4 |
| ICEA Compliance: | S-104-696 |
| Other Standard Compliance(s): | NFPA 130, NFPA 502 |

History

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| Update and Revision: | Revision Number: 0.19 Revision Date: 04-06-2021 |
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