



**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**

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:	8.2/125 µm
Fiber Diameter:	250 µm
Buffer Material:	LSZH - Low Smoke Zero Halogen
Buffer Diameter:	900 µm
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

**Cable Construction**

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**

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

**Armor Specifications**

Armor Type and Material:	AIA - Aluminum Interlock Armor
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**Outer Jacket Specifications**

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

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: 0.25 Revision Date: 04-08-2022
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Part Numbers

Variants

Item #	Color	Putup Type
TT-SBB-006-LINN	Black	Reel

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