



**Product:** [TT-SBB-012-LIN](#) 

Transit, In+Outdoor, BO, OS2, 12f, Subunit 2.0mm, AIA, Dbl Jkt - LSZH, OFCR-ST1

### Product Description

Transit Grade, Indoor/Outdoor, Breakout, OS2, 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:	OS2
Fiber Core Diameter:	8.2/125 $\mu\text{m}$
Fiber Diameter:	250 $\mu\text{m}$
Buffer Material:	LSZH - Low Smoke Zero Halogen
Buffer Diameter:	900 $\mu\text{m}$
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:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nominal Diameter:	0.540 in (13.7 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
Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nominal 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 $\mu$ m	10.4 $\mu$ m
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 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

Update and Revision:	Revision Number: 0.21 Revision Date: 04-06-2021
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