



Product: [TF-SBB-002-RN5](#)

Factory, In+Outdoor, BO, OS2, 2f, Subunit 2.0mm, Sgl Jkt - PVC, OFNR, Ozone-UV-Oil Res

Product Description

Factory Grade, Indoor/Outdoor, Breakout, OS2, 2 Fibers, Subunits 2.0mm 900um, Single Jacket - PVC, OFNR, Ozone-UV-Oil Resistant

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 |

Fiber Specifications

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|----------------------|--------------------------|
| 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

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|----------------------------|----------------------------|
| 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 |

Outer Jacket Specifications

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|------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.260 in (6.6 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

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|--|------------------|
| Min. Bend Radius During Installation: | 15x 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 |

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|--------------------|-----------------------|
| Bulk Cable Weight: | 23 lbs/kft (34 kg/km) |
|--------------------|-----------------------|

Temperature Range

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|---------------------------------|----------------|
| 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: | OFNR, FT4 |
| ICEA Compliance: | S-104-696 |

Product Notes

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| Notes: | Ozone, Hydraulic fluid resistant |
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History

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

Part Numbers

Variants

| Item # | Color | Putup Type |
|-----------------|-------|------------|
| TF-SBB-002-RN5N | Black | Reel |

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