

**Product:** [TF-SBB-006-RN5](#) 



REPRESENTATIVE IMAGE

Factory, In+Outdoor, BO, OS2, 6f, Subunit 2.0mm, Sgl Jkt - PVC, OFNR, Ozone-UV-Oil Res

### Product Description

Factory Grade, Indoor/Outdoor, Breakout, OS2, 6 Fibers, Subunits 2.0mm 900um, Single Jacket - PVC, OFNR, Ozone-UV-Oil Resistant

### Technical Specifications

#### Product Overview

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

#### Fiber Specifications

|                      |                          |
|----------------------|--------------------------|
| Fiber Type:          | OS2                      |
| Fiber Core Diameter: | 8.2 $\mu\text{m}$        |
| Fiber Diameter:      | 250 $\mu\text{m}$        |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 $\mu\text{m}$        |
| Fiber Count:         | 6                        |
| Fiber Color Coding:  | TIA-598-D                |

#### Cable Construction

|                            |                            |
|----------------------------|----------------------------|
| Number of Active Subunits: | 6                          |
| Fibers Per Subunit:        | 1                          |
| Subunit Diameter:          | 0.78 in (2.0 mm)           |
| Subunit Color:             | Yellow                     |
| Subunit Strength Members:  | Waterblocking aramid yarns |
| Central Strength Member:   | GRP                        |
| Core Wrap:                 | Waterblocking tape         |

#### Outer Jacket Specifications

|                   |                            |
|-------------------|----------------------------|
| Strength Member:  | Waterblocking aramid yarns |
| Material:         | PVC - Polyvinyl Chloride   |
| Nominal Diameter: | 0.358 in (9.1 mm)          |

#### Optical Characteristics

| Wavelength                      | 1310 nm           | 1550 nm            |
|---------------------------------|-------------------|--------------------|
| Max. Attenuation                | 0.40 dB/km        | 0.30 dB/km         |
| Mode Field Diameter             | 9.2 $\mu\text{m}$ | 10.4 $\mu\text{m}$ |
| 1 Gigabit Ethernet Performance  | 5,000 m           | --                 |
| 10 Gigabit Ethernet Performance | 10,000 m          | 40,000 m           |

#### Mechanical Characteristics

|   |                  |
|---|------------------|
| Min. Bend Radius During Installation:     | 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              |
| Bulk Cable Weight:                     | 64 lbs/kft (95 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, Oil Resistance |
| Flammability / Fire Resistance: | OFNR, FT4   |
| ICEA Compliance:                | S-104-696   |

### History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.9 Revision Date: 04-06-2021 |
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