

**Product:** [TU-SBB-004-RN2](#) 



Tray, In+Outdoor, BO, OS2, 4f, Subunit 2.0mm, Sgl Jkt, Blk, CPE, OFNR, Oil Res 1/2

### Product Description

Tray Grade, Indoor/Outdoor, Breakout, OS2, 4 Fibers, Subunits 2.0mm 900um, Single Jacket, Black, CPE, OFNR, Oil Res 1 & 2

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Product Category:      | Fiber Breakout Cable  |
| Suitable Applications: | Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, Oil Res 1 /2 |

#### Fiber Specifications

|                      |                          |
|----------------------|--------------------------|
| Fiber Type:          | OS2                      |
| Fiber Core Diameter: | 8.2/125 $\mu\text{m}$    |
| Fiber Diameter:      | 250 $\mu\text{m}$        |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 $\mu\text{m}$        |
| Fiber Count:         | 4                        |
| Fiber Color Coding:  | TIA-598-D                |

#### Cable Construction

|                            |                            |
|----------------------------|----------------------------|
| Number of Active Subunits: | 4                          |
| Fibers Per Subunit:        | 1                          |
| 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:           | CPE - Chlorinated Polyethylene |
| Number of Ripcords: | 1                              |

#### Optical Characteristics

| Wavelength                      | 1310 nm           | 1550 nm            |
|---------------------------------|-------------------|--------------------|
| Max. Attenuation                | 0.50 dB/km        | 0.50 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 |
| Crush Resistance:                     | 220 N/cm     |

## Temperature Range

|                          |                |
|--------------------------|----------------|
| Installation Temp Range: | -10°C to +60°C |
| Operating Temp Range:    | -50°C to +70°C |
| Storage Temp Range:      | -50°C to +70°C |

## Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Environmental Suitability:       | Indoor/Outdoor, Sunlight Resistance, Oil Resistance, Burial |
| Sustainability:                  | CA Prop 65  |
| Flammability / Reaction to Fire: | OFNR, FT4   |
| ICEA Compliance:                 | S-104-696   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.7 Revision Date: 10-14-2021 |
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