# Product: TU-3BB-002-RN2



Tray, In+Outdoor, BO, OM3, 2f, Subunit 2.0mm, Sgl Jkt, Blk, CPE, OFNR, Oil Res 1/2

## Product Description

Tray Grade, Indoor/Outdoor, Breakout, OM3, 2 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

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|---|---|
| Fiber Type: | OM3 |
| Fiber Core Diameter: | 50/125 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: | 0.078 in (2.0 mm) |
| Subunit Color: | Aqua |
| Subunit Strength Members: | Waterblocking aramid yarns |
| Core Wrap: | Waterblocking tape |

### Outer Jacket Specifications

| | |
|---|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | CPE - Chlorinated Polyethylene |
| Nom. Diameter: | 0.260 in (6.6 mm) |
| Number of Ripcords: | 1 |

#### Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|---|---|---|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1,000 m | 550 m |
| 10 Gigabit Ethernet Performance | 300 m | -- |
| Min. Effective Modal Bandwidth (EMB) | 2000 MHz.km | -- |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz.km | 500 MHz.km |

### 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 |
| Bulk Cable Weight: | 18 lbs/kft (27 kg/km) |

## Temperature Range

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|---|---|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range: | -50°C to +70°C |
| Storage Temperature 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: 0.16 Revision Date: 11-14-2022 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | UPC |
|---|---|---|---|
| TU-3BB-002-RN2N | Black | Cut to Length | 612825485070 |

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