



**Product:** [TF-SC0-012-RR5](#)

Factory, In+Outdoor, CLT, OS2, 12f, Gel Tube 3.8mm, Sgl Jkt, Blk, PVC, OFNR, Ozone-UV-Oil Res

### Product Description

Factory Grade, Indoor/Outdoor, Central Loose-Tube, OS2, 12 Fibers, Gel Filled Tube 3.8mm, Single Jacket, Black, PVC, OFNR, Ozone-UV-Oil Resistant

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Product Category:      | Fiber Central Loose Tube 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 $\mu\text{m}$ |
| Fiber Diameter:      | 250 $\mu\text{m}$ |
| Fiber Count:         | 12                |
| Fiber Color Coding:  | TIA-598-D         |

#### Cable Construction

|                            |            |
|----------------------------|------------|
| Number of Active Subunits: | 1          |
| Fibers Per Subunit:        | 12         |
| Subunit Waterblocking:     | Gel Filled |

#### Outer Jacket Specifications

|                  |                                |
|------------------|--------------------------------|
| Strength Member: | Waterblocking Fiberglass Yarns |
| Jacket Material: | PVC - Polyvinyl Chloride       |
| Nom. Diameter:   | 0.315 in (8.0 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: | 2670 N (600 lbf)      |
| Max. Tensile Strength During Operation:    | 800 N (180 lbf)       |
| Crush Resistance:                          | 220 N/cm              |
| Bulk Cable Weight:                         | 42 lbs/kft (63 kg/km) |

#### Temperature Range

|                                 |                |
|---------------------------------|----------------|
| 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, Burial |
| Flammability / Reaction to Fire: | OFNR, FT4                                   |
| ICEA Compliance:                 | S-104-696                                   |

### History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.14 Revision Date: 11-14-2022 |
|----------------------|---|

### Part Numbers

#### Variants

| Item #          | Color | Putup Type    | UPC          |
|-----------------|-------|---------------|--------------|
| TF-SC0-012-RR5N | Black | Cut to Length | 612825487869 |

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