



**Product:** [TF-1LF-006-RS5](#)

Factory, In+Outdoor, MLT, OM1, 6f, Gel Tubes 2.8mm, CST, Sgl Jkt - PVC, OFCR, Ozone-UV-Oil Res

### Product Description

Factory Grade, Indoor/Outdoor, Multi-Loose-Tube, OM1, 6 Fibers, Gel Filled Tubes 2.8mm, Corrugated Steel Tape, Single Jacket - PVC, OFCR, Ozone-UV-Oil Resistant

### Technical Specifications

#### Product Overview

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

#### Fiber Specifications

|                      |              |
|----------------------|--------------|
| Fiber Type:          | OM1          |
| Fiber Core Diameter: | 62.5 $\mu$ m |
| Fiber Diameter:      | 250 $\mu$ m  |
| Fiber Count:         | 6            |
| Fiber Color Coding:  | TIA-598-D    |

#### Cable Construction

|                            |                    |
|----------------------------|--------------------|
| Number of Active Subunits: | 1                  |
| Number of Fillers:         | 4                  |
| Fibers Per Subunit:        | 6                  |
| Subunit Waterblocking:     | Gel Filled         |
| Subunit Diameter:          | 0.110 in (2.8 mm)  |
| Subunit Color:             | TIA-598-D          |
| Central Strength Member:   | GRP                |
| Core Wrap:                 | Waterblocking Tape |

#### Armor Specifications

|                          |                             |
|--------------------------|-----------------------------|
| Armor Type and Material: | CST - Corrugated Steel Tape |
|--------------------------|-----------------------------|

#### Outer Jacket Specifications

|                  |                            |
|------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | PVC - Polyvinyl Chloride   |
| Nom. Diameter:   | 0.530 in (13.5 mm)         |

#### Optical Characteristics

| Wavelength                             | 850 nm     | 1300 nm    |
|--|------------|------------|
| Max. Attenuation                       | 3.25 dB/km | 1.0 dB/km  |
| 1 Gigabit Ethernet Performance         | 300 m      | 550 m      |
| 10 Gigabit Ethernet Performance        | 33 m       | --         |
| Min. Restricted Mode Launch            | 220 MHz.km | --         |
| Min. Overfilled Launch (OFL) Bandwidth | 200 MHz.km | 500 MHz.km |

#### Mechanical Characteristics

|  |                         |
|--|-------------------------|
| Min. Bend Radius During Installation:      | 20x 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:                         | 115 lbs/kft (171 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, Oil Resistance |
| Flammability / Reaction to Fire: | OFCR, FT4   |
| ICEA Compliance:                 | S-104-696   |

### Product Notes

|        |                                  |
|--------|----------------------------------|
| Notes: | Ozone, Hydraulic fluid resistant |
|--------|----------------------------------|

### History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.22 Revision Date: 11-14-2022 |
|----------------------|---|

### Part Numbers

#### Variants

| Item #          | Color | Putup Type |
|-----------------|-------|------------|
| TF-1LF-006-RS5N | Black | Reel       |

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