

# Product: TF-1LG-012-RS5

Factory, In+Outdoor, MLT, OM1, 12f, Gel Tubes 2.8mm, CST, Sgl Jkt - PVC, OFCR, Ozone-UV-Oil Res

## Product Description

Factory Grade, Indoor/Outdoor, Multi-Loose-Tube, OM1, 12 Fibers, Gel Filled Tubes 2.8mm, Corrugated Steel Tape, Single Jacket - PVC, OFCR, Ozone-UV-Oil Resistant

## Technical Specifications

### Product Overview

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|---|---|
| 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

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|---|---|
| Fiber Type: | OM1 |
| Fiber Core Diameter: | 62.5 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA-598-D |

### Cable Construction

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|---|---|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 4 |
| Fibers Per Subunit: | 12 |
| 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

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

### Outer Jacket Specifications

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|---|---|
| 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

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|---|---|
| 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

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|---|---|
| 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

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|---|---|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance, Oil Resistance |
| Flammability / Reaction to Fire: | OFCR, FT4 |
| ICEA Compliance: | S-104-696 |

## Product Notes

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

## History

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

## Part Numbers

**Variants**

| Item # | Color | Putup Type |
|---|---|---|
| TF-1LG-012-RS5N | Black | Reel |

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