



**Product:** [TF-3LG-012-R25](#)

Factory, In+Outdoor, MLT, OM3, 12f, Gel Tubes 2.8mm, Dbl Jkt - PVC, OFNR, O3 UV Oil Res

**Product Description**

Factory Grade, Indoor/Outdoor, Multi-Loose-Tube, OM3, 12 Fibers, Gel Filled Tubes 2.8mm, Double Jacket - PVC, OFNR, Ozone, UV, Oil Res

**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 |

**Fiber Specifications**

|                      |           |
|----------------------|-----------|
| Fiber Type:          | OM3       |
| Fiber Core Diameter: | 50 µm     |
| Fiber Diameter:      | 250 µm    |
| Fiber Count:         | 12        |
| Fiber Color Coding:  | TIA-598-D |

**Cable Construction**

|                            |                    |
|----------------------------|--------------------|
| 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 |

**Inner Jacket Specifications**

|                  |                            |
|------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Material:        | PVC - Polyvinyl Chloride   |
| Color:           | Black                      |

**Outer Jacket Specifications**

|                  |                            |
|------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | PVC - Polyvinyl Chloride   |
| Nom. Diameter:   | 0.514 in (13.1 mm)         |

**Optical Characteristics**

| Wavelength                             | 850 nm      | 1300 nm    |
|----------------------------------------|-------------|------------|
| Max. Attenuation                       | 3.0 dB/km   | 1.0 dB/km  |
| 1 Gigabit Ethernet Performance         | 1000        | 550        |
| 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

|                                            |                         |
|--------------------------------------------|-------------------------|
| 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:                         | 104 lbs/kft (155 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: | OFNR, 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-3LG-012-R25N | Black | Reel       |

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