



Product: [TF-3LG-144-RI5](#)

Factory, In+Outdoor, MLT, OM3, 144f, Gel Tubes 2.8mm, AIA, Dbl Jkt - PVC, OFCR, Ozone-UV-Oil Res

Product Description

Factory Grade, Indoor/Outdoor, Multi-Loose-Tube, OM3, 144 Fibers, Gel Filled Tubes 2.8mm, Aluminum Interlock Armor, Double 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: | OM3 |
| Fiber Core Diameter: | 50 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 144 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|--------------------|
| Number of Active Subunits: | 12 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Subunit Color: | TIA-598-D |
| Central Strength Member: | Upjacketed GRP |
| Core Wrap: | Waterblocking Tape |

Inner Jacket Specifications

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

Armor Specifications

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|--------------------------|--------------------------------|
| Armor Type and Material: | AIA - Aluminum Interlock Armor |
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Outer Jacket Specifications

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| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 1.115 in (28.3 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 | -- |

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| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz.km | 500 MHz.km |
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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: | 440 N/cm |
| Bulk Cable Weight: | 401 lbs/kft (597 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 |
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History

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

Variants

| Item # | Color | Putup Type |
|-----------------|-------|------------|
| TF-3LG-144-RI5N | Black | Reel |

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