

Product: [TM-1LG-012-HNA](#) 



REPRESENTATIVE IMAGE

Marine, In+Outdoor, MLT, OM1, 12f, Gel Tubes 2.8mm, Sgl Jkt - LSZH, OFNG-ST1, ABS

Product Description

Marine Grade, Indoor/Outdoor, Multi-Loose-Tube, OM1, 12 Fibers, Gel Filled Tubes 2.8mm, Single Jacket - LSZH, OFNG-ST1, ABS Approved

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 |

Fiber Specifications

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|----------------------|-------------|
| Fiber Type: | OM1 |
| Fiber Core Diameter: | 62.5/125 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 |

Outer Jacket Specifications

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|---------------------|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter: | 0.460 in (11.7 mm) |
| Number of Ripcords: | 1 |

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: | 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: | 89 lbs/kft (132 kg/km) |

Temperature Range

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|--------------------------|----------------|
| Installation Temp Range: | -10°C to +60°C |
| Operating Temp Range: | -40°C to +70°C |
| Storage Temp Range: | -40°C to +70°C |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance, Burial |
| Flammability / Reaction to Fire: | OFNG-ST1, FT4 |
| ICEA Compliance: | S-104-696 |
| IEEE Compliance: | IEEE 45 |
| Marine Compliance: | ABS |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.17 Revision Date: 04-08-2022 |
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