



**Product:** [TM-1D9-006-LNA](#) 

Marine, In+Outdoor, DN, OM1, 6f, Non-Unit, Sgl Jkt - LSZH, OFNR-ST1, ABS

**Product Description**  
Marine Grade, Indoor/Outdoor, Distribution, OM1, 6 Fibers, Non-Unit 900um, Single Jacket - LSZH, OFNR-ST1, ABS Approved

**Technical Specifications**

**Product Overview**

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

**Fiber Specifications**

|                      |                               |
|----------------------|-------------------------------|
| Fiber Type:          | OM1                           |
| Fiber Core Diameter: | 62.5/125 µm                   |
| Fiber Diameter:      | 250 µm                        |
| Buffer Material:     | LSZH - Low Smoke Zero Halogen |
| Buffer Diameter:     | 900 µm                        |
| Fiber Count:         | 6                             |
| Fiber Color Coding:  | TIA-598-D                     |

**Outer Jacket Specifications**

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Strength Member:    | Waterblocking Aramid Yarns                      |
| Jacket Material:    | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter:      | 0.240 in (6.1 mm)                               |
| Number of Ripcords: | 1                                               |

**Optical Characteristics**

| Wavelength                             | 850 nm     | 1300 nm    |
|----------------------------------------|------------|------------|
| Max. Attenuation                       | 3.5 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:      | 15x Cable OD          |
| Min. Bend Radius During Operation:         | 10x Cable OD          |
| Max. Tensile Strength During Installation: | 660 N (150 lbf)       |
| Max. Tensile Strength During Operation:    | 200 N (45 lbf)        |
| Crush Resistance:                          | 220 N/cm              |
| Bulk Cable Weight:                         | 25 lbs/kft (37 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, Burial |
| Flammability / Reaction to Fire: | OFNR-ST1, FT4                               |
| ICEA Compliance:                 | S-104-696                                   |
| IEEE Compliance:                 | IEEE 45                                     |
| Marine Compliance:               | ABS                                         |

History

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

Part Numbers

Variants

| Item #          | Color | Putup Type |
|-----------------|-------|------------|
| TM-1D9-006-LNAN | Black | Reel       |

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