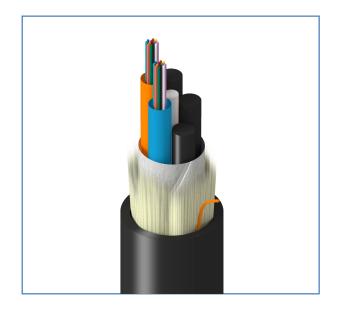






## TM (Marine Grade) MLT All Dielectric Gel-Filled

Revision Number: 1 Revision Date: 11.10.2022



## **Key Benefits:**

• American Bureau of Shipping (ABS) Approved

| Temperature Range |                                   |  |  |  |  |
|-------------------|-----------------------------------|--|--|--|--|
| Operating         | -40°C to +70°C<br>-40°F to +158°F |  |  |  |  |
| Storage           | -40°C to +70°C<br>-40°F to +158°F |  |  |  |  |
| Installation      | -10ºC to +60ºC<br>14ºF to +140ºF  |  |  |  |  |

## Standards:

- IEEE 45
- ICEA S-104-696
- UL & cUL: OFNG/OFCG -ST1 FT4
- Flame Rating per UL 1666, 1685, FT4/IEEE 1202
- EU Directive 2015/863/EU
- EU Directive 2011/65/EU (ROHS II)
- ANSI/TIA-568.3-D, ANSI/TIA-598-D
- Wet Location

| Glass Type                        | Fiber<br>Grade<br>Code (*) | Jacket | Operating<br>Wavelength<br>(nm) | Max<br>Attenuation<br>(dB/km) | Min. OFL<br>Bandwidth<br>(MHz-km) | Min. Laser<br>Bandwidth<br>(MHz-km) | 1<br>Gigabit<br>Ethernet<br>Min.<br>Link<br>Length<br>(meters) | 10 Gigabit<br>Ethernet Min.<br>Link Length<br>(meters) |
|-----------------------------------|----------------------------|--------|---------------------------------|-------------------------------|-----------------------------------|-------------------------------------|--|--|
| OS2 - Single<br>Mode              | S                          | Black  | 1310/1550                       | 0.4/0.3                       | -                                 | -                                   | 5000/-   | 10,000/40,000  |
| OM1 -<br>62.5/125µm<br>Multi-Mode | 1                          | Black  | 850/1300                        | 3.25/1.0                      | 200/500                           | 220/-                               | 275/550  | 33/-   |
| OM3 -<br>50/125µm<br>Multi-Mode   | 3                          | Black  | 850/1300                        | 3.0/1.0                       | 1500/500                          | 2000/-                              | 1000/550   | 300/-  |
| OM4 -<br>50/125µm Multi-<br>Mode  | 4                          | Black  | 850/1300                        | 3.0/1.0                       | 3500/500                          | 4700/-                              | 1100/550   | 400/-  |
| OM5 -<br>50/125µm<br>Multi-Mode   | 5                          | Black  | 850/1300                        | 3.0/1.0                       | 3500/500                          | 4700/-                              | 1100/550   | 400/-  |

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| Single Jacket, All Dielectric |  |                                |                                 |                                 |                                   |                     |                          |                                  |  |  |
|-------------------------------|--|--------------------------------|---------------------------------|---------------------------------|-----------------------------------|---------------------|--------------------------|----------------------------------|--|--|
| Fiber<br>Count                | Part Number<br>Substitute (*) with fiber<br>grade code | Nom.<br>Jacket Dia.<br>in (mm) | Weight<br>Ibs/1000ft<br>(kg/km) | Max. Install<br>Load Ibs<br>(N) | Max. Long<br>Term Load<br>Ibs (N) | Crush<br>Resistance | Min. Bend<br>Radius Load | Min. Long<br>Term Bend<br>Radius |  |  |
| 2                             | TM-*LF-002-HNAN  | 0.460(11.7)                    | 89 (132)                        | 600 (2670)                      | 180 (800)                         | 220 N/cm            | 15x Cable OD             | 10x Cable OD                     |  |  |
| 4                             | TM-*LF-004-HNAN  | 0.460(11.7)                    | 89 (132)                        | 600 (2670)                      | 180 (800)                         | 220 N/cm            | 15x Cable OD             | 10x Cable OD                     |  |  |
| 6                             | TM-*LF-006-HNAN  | 0.460(11.7)                    | 89 (132)                        | 600 (2670)                      | 180 (800)                         | 220 N/cm            | 15x Cable OD             | 10x Cable OD                     |  |  |
| 8                             | TM-*LG-008-HNAN  | 0.460(11.7)                    | 89 (132)                        | 600 (2670)                      | 180 (800)                         | 220 N/cm            | 15x Cable OD             | 10x Cable OD                     |  |  |
| 12                            | TM-*LG-012-HNAN  | 0.460(11.7)                    | 89 (132)                        | 600 (2670)                      | 180 (800)                         | 220 N/cm            | 15x Cable OD             | 10x Cable OD                     |  |  |
| 24                            | TM-*LG-024-HNAN  | 0.460(11.7)                    | 88 (131)                        | 600 (2670)                      | 180 (800)                         | 220 N/cm            | 15x Cable OD             | 10x Cable OD                     |  |  |
| 36                            | TM-*LG-036-HNAN  | 0.460(11.7)                    | 86 (128)                        | 600 (2670)                      | 180 (800)                         | 220 N/cm            | 15x Cable OD             | 10x Cable OD                     |  |  |

<sup>†</sup>Custom color jackets available

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