

## Office Environments

### Industrial Fiber Cable: Riser 6-Fiber 62.5 OM1



**L1-06-FTB-OM1-08**

Tight-Buffered Fiber Cable, Riser, 6 F,  
62.5 µm multimode (OM1), Orange

| General Specifications                                     |  |
|--|--|
| <b>Environment</b>   | Indoor   |
| <b>Application</b>   | General Purpose Horizontal, Vertical Riser                     |
| <b>Cable Type</b>  | Tight-Buffered   |
| <b>Product Type</b>  | Distribution   |
| <b>Flame Rating</b>  | Riser (OFNR)   |
| <b>Fiber Category</b>                                      | 62.5 µm MM (OM1)   |
| Standards  |  |
| <b>Approvals and Listings</b>                              | National Electrical Code® (NEC®) OFNR, CSA FT-4, ICEA S-83-596 |
| <b>Flame Resistance</b>                                    | UL-1666 (for riser and general building applications)          |
| Cable Design   |  |
| <b>Central Element</b>                                     | Yarn   |
| <b>Fiber Count</b>   | 6  |
| <b>Tight Buffer Color</b>                                  | Blue, Orange, Green, Brown, Slate, White                       |
| <b>Tensile Strength Elements and/or Armoring - Layer 1</b> | Dielectric strength members                                    |
| <b>Number of Ripcords</b>                                  | 1  |
| <b>Outer Jacket Material</b>                               | Flame-retardant  |
| <b>Outer Jacket Color</b>                                  | Orange   |

| Temperature Range                              |                                     |
|--|-------------------------------------|
| <b>Storage</b>                                 | -40 °C to 70 °C (-40 °F to 158 °F ) |
| <b>Installation</b>                            | -10 °C to 60 °C (14 °F to 140 °F )  |
| <b>Operation</b>                               | -20 °C to 70 °C (-4 °F to 158 °F )  |
| Mechanical Characteristics Cable               |                                     |
| <b>Max. Tensile Strength, Short-Term</b>       | 660 N (150 lbf)                     |
| <b>Max. Tensile Strength, Long-Term</b>        | 200 N (45 lbf)                      |
| <b>Nominal Outer Diameter</b>                  | 5.10 mm (0.20 in)                   |
| <b>Weight</b>                                  | 21.1 kg/km (14.18 lb/1000 ft)       |
| <b>Min. Bend Radius Installation</b>           | 76.5 mm (3.01 in)                   |
| <b>Min. Bend Radius Operation</b>              | 51 mm (2.00 in)                     |
| Optical Characteristics (Cabled)               |                                     |
| <b>Fiber Core Diameter</b>                     | 62.5 µm                             |
| <b>Fiber Category</b>                          | OM1                                 |
| <b>Fiber Code</b>                              | K                                   |
| <b>Performance Option Code</b>                 | 30                                  |
| <b>Wavelengths</b>                             | 850 nm / 1300 nm                    |
| <b>Maximum Attenuation</b>                     | 3.4 dB/km / 1.0 dB/km               |
| <b>Serial 1 Gigabit Ethernet</b>               | 300 m / 550 m                       |
| <b>Serial 10 Gigabit Ethernet</b>              | 33 m / - m                          |
| <b>Min. Overfilled Launch (OFL) Bandwidth</b>  | 200 MHz*km / 500 MHz*km             |
| <b>Minimum Effective Modal Bandwidth (EMB)</b> | 220 MHz*km / - MHz*km               |