



## RIBBON-Link® Cable

RIBBON-Link cables combine high fiber density in a small diameter, flexible package. These cables can be terminated with 12 or 24 fiber multi-fiber connectors or the fibers can be fanned out and terminated individually. Plenum, Riser and LSZH options are all UL listed.

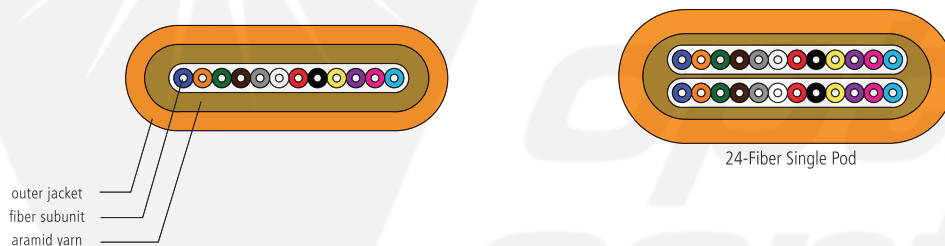
### Features

- Easy interface to MT and MTP based connectors as well as today's newest ribbon connectors (12- or 24-fiber ferrules)
- Tested to meet or exceed EIA/TIA 568-A / GR-409-CORE
- Compliant to Directive 2002/95/EC (RoHS)

### Applications

- Direct interface to computers with the use of "backplane" style fiber connectors
- High density interconnection to wall outlets or patch panels with ribbon connector interfaces
- "Micro-diameter" fanout cables utilizing standard industry fiber connectors (ST, SC, FC, LC, MT-RJ.)

### Cable Components



### Fiber Specifications

| CORE SIZE/<br>FIBER TYPE                   | ISO/<br>IEC | MAXIMUM ATTENUATION<br>(DB/KM) |         |         | OVERFILL LAUNCH<br>MIN.<br>BANDWIDTH<br>(MHZ•KM) |         | EMB <sub>c</sub><br>(MHZ•KM) | GIGABIT ETHERNET<br>MIN. LINK DISTANCE<br>(METERS) |         | 10 GIGABIT<br>ETHERNET MIN. LINK<br>DISTANCE (METERS) |         |
|--------------------------------------------|-------------|--------------------------------|---------|---------|--------------------------------------------------|---------|------------------------------|----------------------------------------------------|---------|-------------------------------------------------------|---------|
|                                            |             | 850 NM                         | 1300 NM | 1550 NM | 850 NM                                           | 1300 NM |                              | 850 NM                                             | 1300 NM | 850 NM                                                | 1300 NM |
| (6) 62.5 Giga-Link™ 300                    | OM1         | 3.5                            | 1.2     | N/A     | 200                                              | 600     | N/A                          | 300                                                | 550     | 32                                                    | —       |
| (5) 50 Giga-Link™ 600                      | OM2         | 3.5                            | 1.5     | N/A     | 500                                              | 500     | N/A                          | 600                                                | 600     | 82                                                    | —       |
| (A) 50 Laser-Link 150                      | OM2         | 3.0                            | 1.2     | N/A     | 700                                              | 500     | 950                          | 800                                                | 550     | 150                                                   | —       |
| (L) 50 Laser-Link 300                      | OM3         | 3.0                            | 1.2     | N/A     | 1500                                             | 500     | 2000                         | 1000                                               | 550     | 300                                                   | —       |
| (C) 50 Laser-Link 550                      | OM4         | 3.0                            | 1.2     | N/A     | 3500                                             | 550     | 4700                         | 1040                                               | 550     | 550                                                   | —       |
| (9) Single-mode (ITU G.652.D and G.657.A2) | OS2         | N/A                            | 0.5     | 0.5     | N/A                                              | N/A     | N/A                          | N/A                                                | 5000    | N/A                                                   | 10,000  |

\* Other fiber types available

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### Mechanical Data

| CABLE TYPE               | AFL NO.      |              |              | FIBER COUNT | NOMINAL DIAMETER        | WEIGHT       | TENSION              |           | BENDING RADIUS |             |
|--------------------------|--------------|--------------|--------------|-------------|-------------------------|--------------|----------------------|-----------|----------------|-------------|
|                          | PLENUM (PVC) | RISER        | LSZH         |             | INCHES (MM)             |              | LBS/ 1000 FT (KG/KM) | LBS (N)   |                | INCHES (CM) |
| INSTALLATION             |              |              |              | LONG TERM   |                         | INSTALLATION |                      | LONG TERM |                |             |
| RIBBON-Link (single pod) | WK004★141#12 | WR004★141#12 | WE004★141#12 | 4           | 0.08 x 0.16 (2.1 x 4.0) | 7.5 (11)     | 22 (100)             | 7 (30)    | 2.4 (6.0)      | 1.6 (4.0)   |
|                          | WK006★161#12 | WR006★161#12 | WE006★161#12 | 6           | 0.08 x 0.16 (2.1 x 4.0) | 7.5 (11)     | 22 (100)             | 7 (30)    | 2.4 (6.0)      | 1.6 (4.0)   |
|                          | WK008★181#12 | WR008★181#12 | WE008★181#12 | 8           | 0.08 x 0.16 (2.1 x 4.0) | 7.5 (11)     | 22 (100)             | 7 (30)    | 2.4 (6.0)      | 1.6 (4.0)   |
|                          | WK012★1C1#12 | WR012★1C1#12 | WE012★1C1#12 | 12          | 0.08 x 0.18 (2.1 x 4.6) | 8 (12)       | 22 (100)             | 7 (30)    | 2.7 (6.9)      | 1.8 (4.6)   |
|                          | WK024★1D1#12 | WR024★1D1#12 | WE024★1D1#12 | 24          | 0.10 x 0.18 (2.5 x 4.6) | 8.7 (13)     | 22 (100)             | 7 (30)    | 2.7 (6.9)      | 1.8 (4.6)   |

★ Fiber Types – Replace asterisk (★) in AFL number with number in the Fiber Specifications table on previous page.

# Outer Jacket Color – Replace hashtag (#) in AFL number with number in the Cable Jacket Color table below.

### Cable Jacket Color Options

|                          |                        |
|--------------------------|------------------------|
| 1 - Blue                 | 8 - Black              |
| 2 - Orange (OM1 and OM2) | 9 - Yellow (SM)        |
| 3 - Green                | A - Violet             |
| 4 - Brown                | B - Rose               |
| 5 - Slate                | C - Aqua (OM3 and OM4) |
| 6 - White                | K - Erika Violet (OM4) |
| 7 - Red                  | L - Lime               |

### Temperature Specifications

| TEMPERATURE RANGE |                |                |
|-------------------|----------------|----------------|
|                   | PLENUM         | RISER/LSZH     |
| INSTALLATION      | 0°C to +70°C   | -20°C to +70°C |
| OPERATING         | 0°C to +70°C   | -20°C to +70°C |
| STORAGE           | -40°C to +75°C | -40°C to +75°C |