



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.

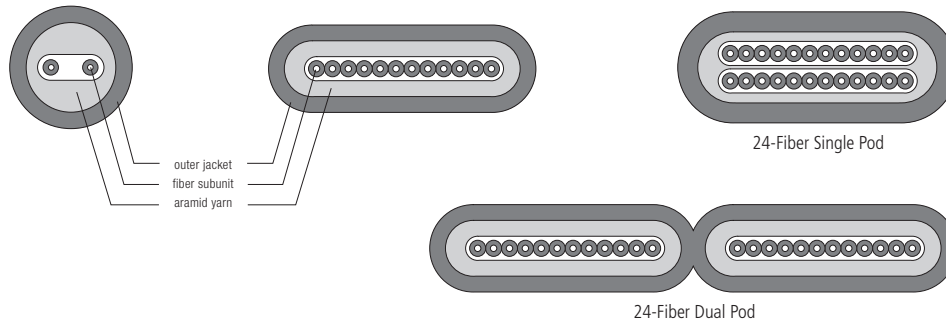
Features

- Fiber counts up to 48 with unitized, zip configuration construction
- Maximum of two 12-fiber ribbons per unit
- Skew matched ribbons available (<10, <6, <5, <4, <3, <2, <1.2 ps/meter)
- Easy interface to MT and MTP based connectors as well as today's newest ribbon connectors (12- or 24-fiber ferrules)
- Ruggedized versions with additional jacketing are available
- 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.)
- VSR OC-192/OC-768 Interface based on parallel fiber optics

Cable Components



Fiber Specifications

| CORE SIZE/ FIBER TYPE | ISO/ IEC | MAXIMUM ATTENUATION (DB/KM) | | | OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM) | | EMB _c (MHZ•KM) | GIGABIT ETHERNET MIN. LINK DISTANCE (METERS) | | 10 GIGABIT ETHERNET MIN. LINK 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 | — |
| (K) AFL G.657.A1 Single-mode | OS2 | N/A | 0.5 | 0.5 | N/A | N/A | N/A | N/A | 5000 | N/A | 10,000 |
| (9) SM | OS2 | N/A | 0.5 | 0.5 | N/A | N/A | N/A | N/A | 5,000 | N/A | 10,000 |

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Mechanical Data

| CABLE TYPE | AFL NO. | | | | FIBER COUNT | NOMINAL DIAMETER INCHES (MM) | WEIGHT LBS/ 1000 FT (KG/ KM) | TENSION | | BENDING RADIUS | |
|-----------------------------|------------------|-----------------|--------------|--------------|-------------|---------------------------------|--|--------------|-----------|----------------|-----------|
| | PLENUM (PVDF) | PLENUM (PVC) | RISER | LSZH | | | | LBS (N) | | INCHES (CM) | |
| | | | | | | | | INSTALLATION | LONG TERM | INSTALLATION | LONG TERM |
| RIBBON-Link (single pod) | WP004★141#12 | 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) |
| | WP006★161#12 | 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) |
| | WP008★181#12 | 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) |
| | WP012★1C1#12 | 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) |
| | WP024★1D1#12 | 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) |
| RIBBON-LINK (dual-pod) | WP008★241#12 | — | WR008★241#12 | WE008★241#12 | 8 | 0.08 x 0.32 (2.1 x 8.2) | 15 (22) | 22 (100) | 7 (30) | 2.4 (6.0) | 1.6 (4.0) |
| | WP012★261#12 | — | WR012★261#12 | WE012★261#12 | 12 | 0.08 x 0.32 (2.1 x 8.2) | 15 (22) | 22 (100) | 7 (30) | 2.4 (6.0) | 1.6 (4.0) |
| | WP016★281#12 | — | WR016★281#12 | WE016★281#12 | 16 | 0.08 x 0.32 (2.1 x 8.2) | 15 (22) | 22 (100) | 7 (30) | 2.4 (6.0) | 1.6 (4.0) |
| | WP024★2C1#12 | — | WR024★2C1#12 | WE024★2C1#12 | 24 | 0.08 x 0.36 (2.1 x 9.2) | 15 (24) | 22 (100) | 7 (30) | 2.7 (6.9) | 1.8 (4.6) |
| ROUND RIBBON (simplex) | WP002★301#12 | — | WR002★301#12 | WE002★301#12 | 2 | 0.11 (2.9) | 5 (7) | 22 (100) | 7 (30) | 2.0 (5.0) | 1.2 (3.0) |
| | WP004★301#12 | — | WR004★301#12 | WE004★301#12 | 4 | 0.11 (2.9) | 5 (7) | 22 (100) | 7 (30) | 2.0 (5.0) | 1.2 (3.0) |

★ 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 | 9 - Yellow |
| 3 - Green | A - Violet |
| 4 - Brown | B - Rose |
| 5 - Slate | C - Aqua |
| 6 - White | K - Erika Violet (RAL 4003) |
| 7 - Red | |

Temperature Specifications

| TEMPERATURE RANGE | | |
|-------------------|----------------|----------------|
| | PLENUM | RISER |
| 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 |