

## Zipcord, Dual-link and Micro-Dual Cable

Zipcord, DUAL-link and Micro-Dual cables provide links to the future for such protocols as FDDI, 10 Gigabit Ethernet, ATM, and Fibre Channel. Connections are easy to terminate with this flexible, two-fiber design. AFL offers the broadest selection of duplex cordage including Plenum, Riser and LSZH in all diameters. LSZH jacketed cables are OFNR listed. One design for global companies that don't want to maintain multiple cable types for varying global standards. Compliant with Directive 2002/95/EC (RoHS).

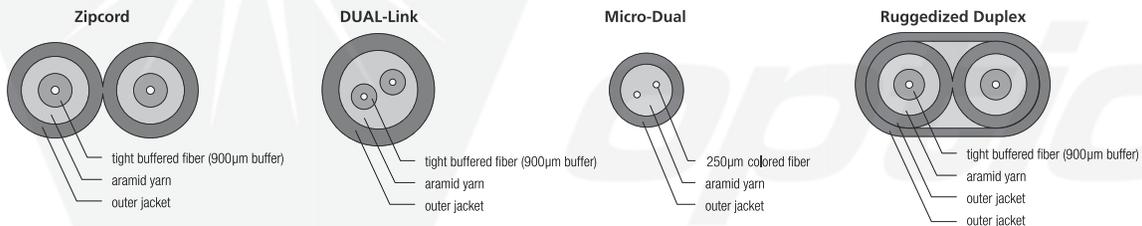
### Applications

- Communications closet to wall outlet
- Wall outlet to desk
- Connectorized patchcords for interconnect and cross-connect applications
- Easy interface to ESCON®, FDDI, and various other duplex connectors

### Features

- Print legend customization
- Jacket color (12 standard colors available)
- Tight Buffer strippability (easy strip option allows removal of up to 1 meter of 900 µm material without stripping the fiber's 250 µm coating)
- Ruggedized Duplex designs for transport from communications closet to wall outlet
- Tested to meet or exceed EIA/TIA 568-133 and Telcordia GR-409-CORE
- LSZH meets the requirements of IEC 61034-1, 61034-2, 60332-1-1, 60332-1-2, 60754-1, 60754-2
- Compliant to Directive 2002/95/EC (RoHS)

### 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   | —       |
| (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  |

**STOCK ITEM**

## Zipcord, Dual-link and Micro-Dual Cable

### Mechanical Data

| CABLE TYPE        | AFL NO.      |              |              | FIBER COUNT | NOMINAL DIAMETER<br>INCHES (mm) | WEIGHT              |                     | TENSION      |           | BENDING RADIUS |            |
|-------------------|--------------|--------------|--------------|-------------|---------------------------------|---------------------|---------------------|--------------|-----------|----------------|------------|
|                   | RISER        | PLENUM       | LSZH         |             |                                 | RISER               | PLENUM              | LBS (N)      |           | INCHES (CM)    |            |
|                   |              |              |              |             |                                 | LBS/1000 FT (kg/km) | LBS/1000 FT (kg/km) | INSTALLATION | LONG TERM | INSTALLATION   | LONG TERM  |
| Zipcord           | ZA002★301#01 | ZP002★301#01 | ZE002★301#0E | 2           | 0.11 x 0.22 (2.9 x 6.0)         | 10 (15)             | 12 (18)             | 22 (100)     | 7 (30)    | 2.0 (5.0)      | 1.2 (3.0)  |
|                   | ZR002★241#01 | ZP002★241#01 | ZE002★241#0E | 2           | 0.09 x 0.19 (2.4 x 4.8)         | 7 (10)              | 9 (14)              | 22 (100)     | 7 (30)    | 2.0 (5.0)      | 1.2 (3.0)  |
|                   | ZR002★201#01 | ZP002★201#01 | ZE002★201#0E | 2           | 0.08 x 0.16 (2.0 x 4.0)         | 5 (8)               | 7 (10)              | 22 (100)     | 7 (30)    | 2.0 (5.0)      | 1.2 (3.0)  |
|                   | ZR002★161#01 | ZP002★161#01 | —            | 2           | 0.06 x 0.12 (1.6 x 3.2)         | 4 (6)               | 7 (6)               | 22 (100)     | 7 (30)    | 2.0 (5.0)      | 1.2 (3.0)  |
| Micro-Dual        | DR002★201#0B | DP002★201#0B | DE002★201#0B | 2           | 0.08 (2.0)                      | 3 (5)               | 5 (7)               | 22 (100)     | 7 (30)    | 1.2 (3.0)      | 0.78 (2.0) |
| DUAL-Link         | DA002★481#01 | DP002★481#01 | DE002★481#0E | 2           | 0.19 (4.8)                      | 13 (20)             | 17 (20)             | 22 (100)     | 7 (30)    | 3.1 (7.2)      | 2.0 (7.2)  |
|                   | DR002★281#01 | DP002★281#01 | DE002★281#0E | 2           | 0.11 (2.8)                      | 5 (7)               | 6 (9)               | 22 (100)     | 7 (30)    | 2.0 (5.0)      | 1.2 (3.0)  |
|                   | DR002★241#01 | DP002★241#01 | DE002★241#0E | 2           | 0.094 (2.4)                     | 3 (5)               | 5 (7)               | 22 (100)     | 7 (30)    | 2.0 (5.0)      | 1.2 (3.0)  |
| Ruggedized Duplex | RR002★301#01 | RP002★241#01 | —            | 2           | 0.185 x 0.30 (4.7 x 7.6)        | 34 (50)             | —                   | 22 (100)     | 7 (30)    | 2.8 (7.1)      | 1.9 (4.7)  |

\* 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 |

### Maximum Cable Length - Reel Size

| ITEM                            | FIBER BOX*  | REEL A         | REEL B         | REEL C         |
|---------------------------------|-------------|----------------|----------------|----------------|
| Reel/Box Height (inches)        | 15.13       | 16             | 24             | 30             |
| Reel/Box Outside Width (inches) | 13.0        | 15             | 17             | 15.25          |
| Drum Diameter (inches)          | 8.0         | 8              | 12             | 12             |
| Reel Weight (lbs)               | 6.0         | 10             | 23             | 34             |
| <b>CAPACITY: Meters (Feet)</b>  |             |                |                |                |
| Zipcord 1.6mm                   | —           | 4,500 (14,764) | —              | —              |
| Zipcord 2.0mm                   | —           | 2,850 (9,350)  | 5,000 (16,400) | —              |
| Zipcord 2.4mm                   | —           | 2,000 (6,562)  | 5,000 (16,400) | —              |
| Zipcord 3.0mm                   | 914 (3,000) | 1,250 (4,100)  | 4,000 (13,123) | 5,000 (16,400) |
| DUAL-Link 2.4mm                 | —           | 4,000 (13,123) | 5,000 (16,400) | —              |
| DUAL-Link 2.8mm                 | —           | 2,500 (8,200)  | 5,000 (16,400) | —              |
| DUAL-Link 4.8mm                 | 305 (1,000) | 900 (2,953)    | 3,200 (10,500) | 4,500 (14,764) |
| Ruggedized Duplex               | —           | —              | 1,500 (4,921)  | 2,500 (8,200)  |

\* Add suffix "—XMFBOX" to cable AFL number to specify "Fiber-In-A-Box" solution. "X" indicates length of cable in thousands of feet. Only available in standard lengths as indicated in chart above. **EXAMPLE:** ZA0029301001—3MFB0X would be the resulting AFL number for 3,000 feet of ZA002★301001 cable with 9/125 µm single-mode fiber and the Fiber-In-A-Box solution. Refer to Fiber-In-A-Box data sheet.

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