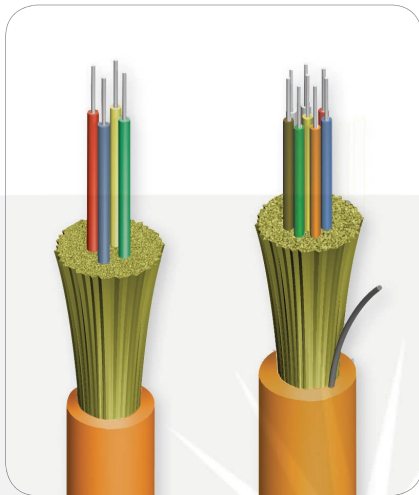




## QUAD-link and Circular Premise Cable

QUAD-Link and single unit Circular Premise Cable designs allow for excellent packaging density, flexibility, and ease of routing. Buffered to 900  $\mu\text{m}$ , these cables can be directly terminated into connectors in loaded panels or in communications closets.

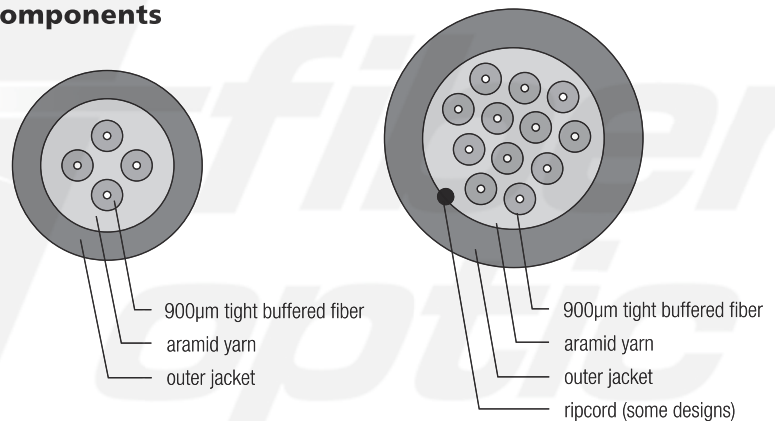
### Applications

- Connectorized communications cables with both send-and-receive and send-and-receive backup in a single unit
- Routing between communications closets and equipment rooms
- Intrabuilding backbones

### Features

- Tested to meet or exceed EIA/TIA 568-A/GR-409-CORE
- Compliant to Directive 2002/95/EC (RoHS)
- Mixed fiber designs available

### 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  |



## QUAD-link and Circular Premise Cable

### Mechanical Data

| CABLE TYPE | AFL NO.      |              | FIBER COUNT | NOMINAL DIAMETER | WEIGHT               |                      | TENSION      |           | BENDING RADIUS |           |
|------------|--------------|--------------|-------------|------------------|----------------------|----------------------|--------------|-----------|----------------|-----------|
|            |              |              |             |                  | RISER                | PLENUM               | LBS (N)      |           | INCHES (CM)    |           |
|            | RISER        | PLENUM       |             | INCHES (MM)      | LBS/ 1000 FT (KG/KM) | LBS/ 1000 FT (KG/KM) | INSTALLATION | LONG TERM | INSTALLATION   | LONG TERM |
| QUAD-Link  | UA004★481#01 | UP004★481#01 | 4           | 0.19 (4.8)       | 17 (25)              | 20 (30)              | 100 (440)    | 30 (132)  | 3.0 (7.2)      | 2.0 (5.0) |
| CPC        | CR006★441#01 | CP006★441#01 | 6           | 0.17 (4.4)       | 12 (17)              | 13 (20)              | 100 (440)    | 30 (132)  | 3.0 (7.2)      | 2.0 (5.0) |
|            | CR008★481#01 | CP008★481#01 | 8           | 0.19 (4.8)       | 13 (19)              | 17 (25)              | 100 (440)    | 30 (132)  | 3.0 (7.2)      | 2.0 (5.0) |
|            | CR012★551#01 | CP012★551#01 | 12          | 0.22 (5.5)       | 17 (25)              | 20 (30)              | 100 (440)    | 30 (132)  | 3.5 (8.3)      | 2.5 (5.5) |
|            | CR018★801#01 | CP018★761#01 | 18          | 0.32 (8.0)       | 34 (50)              | 38 (56)              | 100 (440)    | 30 (132)  | 5.0 (12.0)     | 3.2 (8.0) |
|            | CR024★841#01 | CP024★841#01 | 24          | 0.34 (8.5)       | 41 (61)              | 46 (69)              | 150 (660)    | 45 (198)  | 5.5 (12.9)     | 3.5 (8.6) |

★ 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 | 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 D         |
|---------------------------------|-------------|---------------|----------------|----------------|----------------|
| Reel/Box Height (inches)        | 15.13       | 16            | 24             | 30             | 34             |
| Reel/Box Outside Width (inches) | 13.0        | 15            | 17             | 15.25          | 21.25          |
| Drum Diameter (inches)          | 8.0         | 8             | 12             | 12             | 16.5           |
| Reel Weight (lbs)               | 6.0         | 10            | 23             | 34             | 44             |
| <b>CAPACITY: METERS (FEET)</b>  |             |               |                |                |                |
| 4 Fiber Quad-Link               | 305 (1,000) | 1,000 (3,281) | 3,200 (10,500) | 5,000 (16,404) | —              |
| 6 Fiber CPC                     | 305 (1,000) | 1,200 (3,937) | 3,800 (12,467) | 5,000 (16,404) | —              |
| 8 Fiber CPC                     | 305 (1,000) | 1,000 (3,281) | 3,200 (10,500) | 5,000 (16,404) | —              |
| 12 Fiber CPC                    | 305 (1,000) | 800 (2,625)   | 2,400 (7,874)  | 4,000 (13,123) | 5,000 (16,404) |
| 18 Fiber CPC (single unit)      | —           | —             | —              | —              | 2,600 (8,530)  |
| 24 Fiber CPC (single unit)      | —           | —             | —              | —              | 2,300 (7,545)  |

\* 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:** UA0049481001—3MFBOX

Would be the resulting AFL number for 3,000 feet of UA004★481001 cable with 9/125 µm single-mode fiber and the Fiber-In-A-Box solution. Refer to Fiber-In-A-Box data sheet.

