

## 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.

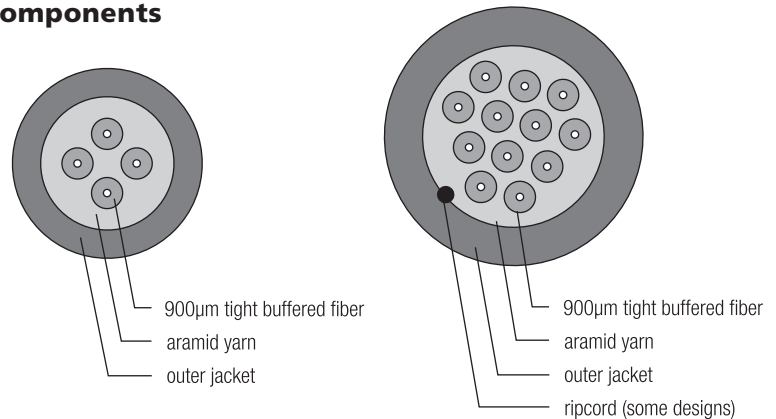
### Applications

- 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/FIBER TYPE	ISO/IEC	MAXIMUM ATTENUATION (DB/KM)			OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM)		EMB <sub>C</sub> (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	—
(L) 50 Laser-Link 300	OM3	3.0	1.2	N/A	1,500	500	2,000	1,000	550	300	—
(C) 50 Laser-Link 550	OM4	3.0	1.2	N/A	3,500	500	4,700	1,040	550	550	—
(W) AFL Wideband Multimode	OM5	3.0	1.2	N/A	3,500	500	4,700	1,040	550	550	—
(9) Single-mode (ITU G.652.D/G.657.A1)	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		TENSION		BENDING RADIUS	
	RISER	PLENUM			RISER	PLENUM	LBS (N)		INCHES (CM)	
					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.

