

Armored Tight Buffered Circular Premise Cable

Armored Tight Buffered CPC Cables incorporate 4 to 144 fiber count CPC cables in a jacketed, aluminum interlocking armor. Jacketed aluminum interlocking armor provides the best balance of ruggedness, flexibility, and low weight. Flame rated armored cables with no outer jacket and flame rated armored cables with steel interlocking armor are also available. Interlocking armor can also be used with other types of trunk cables, including Indoor/Outdoor Distribution, Breakout and Premise MicroCore®.

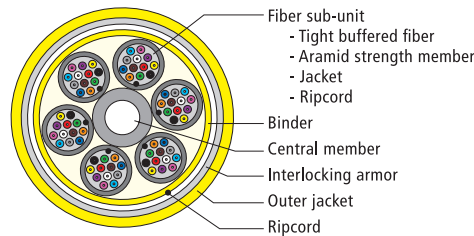
Features

- Fiber counts 4-144
- Aluminum interlocking armor

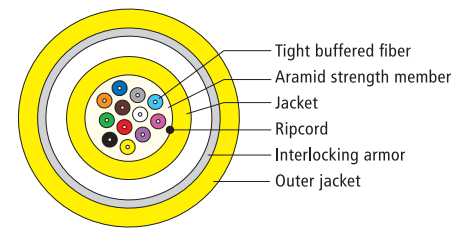
Applications

- Routing inside of buildings where additional ruggedness is required or where increased rodent resistance is required
- Extra protection for fiber optic cables in harsh industrial environments
- Manufacturing plants
- High-density routings in data center applications

Cable Components



High Fiber Count Circular Premise Cable



Circular Premise Cable

Fiber Specifications

CORE SIZE/FIBER TYPE	ISO/IEC	MAXIMUM ATTENUATION (dB/km)			OVERFILL LAUNCH MIN. BANDWIDTH (MHz•km)		EMB _c (MHz•km)	GIGABIT ETHERNET MAX. LINK DISTANCE (meters)		10 GIGABIT ETHERNET MAX. 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

AFL NO.		FIBER COUNT	NOMINAL DIAMETER inches (mm)	WEIGHT		TENSION				BENDING RADIUS	
RISER	PLENUM			RISER	PLENUM	RISER		PLENUM		INSTALLATION	LONG TERM
				lbs/1000 ft (kg/km)		INSTALLATION	LONG TERM	INSTALLATION	LONG TERM		
						lbs (N)	lbs (N)	lbs (N)	lbs (N)	inches (cm)	inches (cm)
UA004★481#01-AIAR	UP004★481#01-AIAP	4	0.46 (11.8)	79 (117)	89 (132)	150 (660)	45 (198)	100 (440)	30 (132)	7.0 (17.7)	5.0 (12.7)
CR006★441#01-AIAR	CP006★441#01-AIAP	6	0.46 (11.8)	74 (109)	82 (122)	150 (660)	45 (198)	100 (440)	30 (132)	7.0 (17.7)	4.8 (12.2)
CR012★551#01-AIAR	CP012★551#01-AIAP	12	0.51 (13.0)	79 (117)	89 (132)	150 (660)	45 (198)	100 (440)	30 (132)	7.0 (17.7)	5.0 (12.7)
CR024★891#01-AIAR	CP024★841#01-AIAP	24	0.62 (15.7)	129 (193)	144 (215)	300 (1320)	90 (396)	150 (660)	45 (198)	9.3 (23.6)	5.3 (13.4)
CR036★501##1-AIAR	CP036★551##1-AIAP	36	0.94 (24)	250 (370)	294 (439)	300 (1320)	90 (396)	150 (660)	45 (198)	14.2 (36.0)	9.4 (24.0)
CR048★501##1-AIAR	CP048★551##1-AIAP	48	0.94 (24)	250 (370)	294 (439)	300 (1320)	90 (396)	150 (660)	45 (198)	14.2 (36.0)	9.4 (24.0)
CR072★501##1-AIAR	CP072★551##1-AIAP	72	1.10 (27.9)	314 (465)	401 (597)	300 (1320)	90 (396)	150 (660)	45 (198)	16.5 (41.9)	11.0 (27.9)
CR096★501##1-AIAR	CP096★551##1-AIAP	96	1.21 (30.7)	460 (680)	507 (755)	300 (1320)	90 (396)	150 (660)	45 (198)	18.1 (46.1)	12.1 (30.7)
CR144★501##1-AIAR	CP144★551##1-AIAP	144	1.37 (34.8)	460 (680)	534 (796)	300 (1320)	90 (396)	150 (660)	45 (198)	19.8 (50.3)	13.2 (33.5)

★ 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	

Qualifications

GOVERNING BODY	STANDARD CODE
MSHA	
NFPA	
RoHS	2002/95/EC
EIA/TIA	
ICEA	
ISO	
ITU	
Telcordia	GR-409-CORE

Temperature Specifications

	PLENUM	RISER
INSTALLATION	0°C to +70°C	-10°C to +70°C
OPERATING	0°C to +70°C	-10°C to +70°C
STORAGE	-40°C to +75°C	-40°C to +75°C

Contact AFL for further details.