

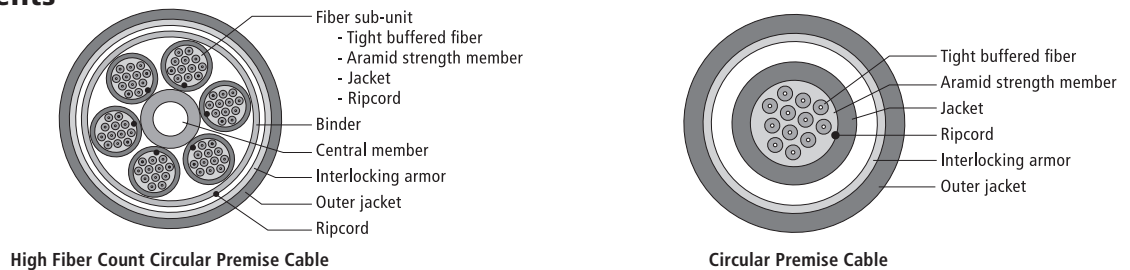
Armored Tight Buffered Circular Premise Cable

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®.

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 application

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

Armored Tight Buffered Circular Premise Cable

Mechanical Data

AFL NO.		FIBER COUNT	NOMINAL DIAMETER	WEIGHT		TENSION				BENDING RADIUS	
RISER	PLENUM			RISER	PLENUM	RISER		PLENUM		INSTALLATION	LONG TERM
			INCHES (MM)	LBS/1000 FT (KG/KM)	LBS/1000 FT (KG/KM)	INSTALLATION	LONG TERM	INSTALLATION	LONG TERM		
UR004★481001-AIAR	UP004★481001-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★441001-AIAR	CP006★441001-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★551001-AIAR	CP012★551001-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★891001-AIAR	CP024★841001-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)
CR024★441001-AIAR	CP024★441001-AIAP	24	0.84 (21.3)	247 (367)	273 (407)	300 (1320)	90 (396)	150 (660)	45 (198)	7.9 (20.0)	5.2 (13.3)
CR036★551001-AIAR	CP036★551001-AIAP	36	0.94 (24)	256 (395)	294 (439)	300 (1320)	90 (396)	150 (660)	45 (198)	14.2 (36.0)	9.4 (24.0)
CR048★551001-AIAR	CP048★551001-AIAP	48	0.94 (24)	256 (395)	294 (439)	300 (1320)	90 (396)	150 (660)	45 (198)	14.2 (36.0)	9.4 (24.0)
CR072★551001-AIAR	CP072★551001-AIAP	72	1.10 (27.9)	355 (530)	401 (597)	300 (1320)	90 (396)	150 (660)	45 (198)	16.5 (41.9)	11.0 (27.9)
CR096★551001-AIAR	CP096★551001-AIAP	96	1.21 (30.7)	472 (705)	507 (755)	300 (1320)	90 (396)	150 (660)	45 (198)	18.1 (46.1)	12.1 (30.7)
CR144★551001-AIAR	CP144★551001-AIAP	144	1.37 (34.8)	498 (742)	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.

Cable Length - Reel Size

ITEM	REEL F	REEL G
Reel Height (inches)	42	60
Reel Outside Width (inches)	36	36
Drum Diameter (inches)	23	30
Reel Weight (lbs)	148	287
CAPACITY: METERS (FEET)		
4 Fiber w/Interlocking Armor	2,600 (8,530)	5,000 (16,404)
6 Fiber w/Interlocking Armor	2,600 (8,530)	5,000 (16,404)
8 Fiber w/Interlocking Armor	2,600 (8,530)	5,000 (16,404)
12 Fiber w/Interlocking Armor	2,250 (7,382)	4,800 (15,748)
18 Fiber w/Interlocking Armor	1,700 (5,577)	3,600 (11,811)
24 Fiber w/Interlocking Armor	1,500 (4,921)	3,200 (10,500)

Temperature Specifications

	TEMPERATURE RANGE	
	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