

Indoor/Outdoor Armored Tight Buffered Circular Premise Cable

Indoor/Outdoor Armored Tight Buffered CPC Cables incorporate two to 72 fiber count CPC cables in a jacketed, aluminum interlocking armor. Jacketed aluminum interlocking armor provides the best balance of ruggedness, flexibility and low weight.

Indoor/Outdoor Armored Distribution cables provide added protection for campus network cabling between buildings where short installation runs allow for cost savings made by utilizing tight buffered cables. Flame rated cables, both OFCP (Plenum) and OFCR (Riser) rated jackets allow these products to be deployed indoors within the premise and retain compliance to applicable flame safety standards.

For outdoor applications, the cables utilize both UV-stabilized jacketing materials with anti-fungal additives; core cables also contain water-blocking elements to prevent water migration. Products are approved for use in mining applications.

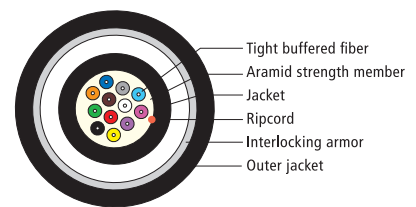
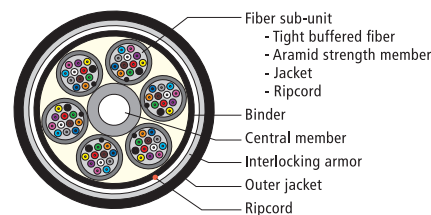
Features

- Available with 2 to 72 fibers
- Low weight jacketed, interlocking armor
- OFCP (Plenum) and OFCR (Riser) rated jackets
- Moisture-resistant, fungus-resistant and UV-resistant outer jacket

Applications

- Building Interconnections (Campus LAN)
- Inside plant and outside plant environments
- Mining applications

Cable Components



Fiber Specifications

CORE SIZE/ FIBER TYPE	ISO/ IEC	MAXIMUM ATTENUATION (dB/km)			OVERFILL LAUNCH MIN. BANDWIDTH (MHz•km)		EMBC (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	1000	550	300	—
(C) 50 Laser-Link 550	OM4	3.0	1.2	N/A	3,500	500	4,700	1040	550	550	—
(W) AFL Wideband Multimode	OM5	N/A	1.2	N/A	3,500	500	4,700	1040	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



continued →

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Mechanical Data

AFL NO.		FIBER COUNT	NOMINAL DIAMETER inches (mm)				WEIGHT lbs		TENSION lbs (N)				BENDING RADIUS Inches (cm)	
RISER	PLENUM		RISER	PLENUM	RISER	PLENUM	RISER		PLENUM		INSTALL	LONGTERM	INSTALL	LONGTERM
							INSTALL	LONGTERM	INSTALL	LONGTERM				
KR002★481801-AIAR	KQ002★461801-AIAP	2	0.52 (13.30)	0.52 (13.30)	126	144	150 (660)	45 (198)	300 (1335)	90 (396)	7.8 (19.8)	5.2 (13.2)		
KR004★481801-AIAR	KQ004★501801-AIAP	4	0.52 (13.30)	0.52 (13.30)	128	147	150 (660)	45 (198)	300 (1335)	90 (396)	7.8 (19.8)	5.2 (13.2)		
KR006★531801-AIAR	KQ006★541801-AIAP	6	0.52 (13.30)	0.52 (13.30)	133	169	150 (660)	45 (198)	300 (1335)	90 (396)	7.8 (19.8)	5.2 (13.2)		
KR008★561801-AIAR	KQ008★581801-AIAP	8	0.56 (14.30)	0.56 (14.30)	150	192	150 (660)	45 (198)	300 (1335)	90 (396)	8.4 (21.3)	5.6 (14.2)		
KR012★651801-AIAR	KQ012★611801-AIAP	12	0.56 (14.30)	0.56 (14.30)	155	198	150 (660)	45 (198)	300 (1335)	90 (396)	8.4 (21.3)	5.6 (14.2)		
KR018★801801-AIAR	KQ018★751801-AIAP	18	0.63 (15.90)	0.63 (15.90)	191	204	300 (1335)	90 (396)	300 (1335)	90 (396)	9.5 (24.1)	6.3 (16.0)		
KR024★871801-AIAR	KQ024★791801-AIAP	24	0.68 (17.30)	0.63 (15.90)	214	223	300 (1335)	90 (396)	300 (1335)	90 (396)	10.2 (25.9)	6.8 (17.3)		
KR024★611881-AIAR	—	24	1.02 (25.90)	—	320	—	300 (1335)	90 (396)	—	—	15.3 (38.9)	10.2 (25.9)		
KR036★611881-AIAR	KQ036★591881-AIAP	36	1.02 (25.90)	0.96 (24.30)	320	320	300 (1335)	90 (396)	300 (1335)	90 (396)	15.3 (38.9)	10.2 (25.9)		
KR048★611881-AIAR	KQ048★591881-AIAP	48	1.02 (25.90)	1.02 (25.90)	320	360	300 (1335)	90 (396)	300 (1335)	90 (396)	15.3 (38.9)	10.2 (25.9)		
KR060★611881-AIAR	KQ060★591881-AIAP	60	1.12 (28.40)	1.12 (28.40)	430	430	300 (1335)	90 (396)	300 (1335)	90 (396)	16.8 (42.7)	11.2 (28.4)		
KR072★611881-AIAR	KQ072★591881-AIAP	72	1.17 (29.70)	1.22 (30.96)	430	500	300 (1335)	90 (396)	300 (1335)	90 (396)	17.6 (44.7)	11.7 (29.7)		

★ Fiber Types – Replace asterisk (★) in AFL number with number in the Fiber Specifications table on previous page.

Qualifications

Governing Body	Standard Code	Component
Telcordia	GR-20-CORE GR-409-CORE	Water-Blocked Cabled Buffer Tube Core Weatherized Cable
EIA/TIA	568, 568-A	Sub-units
ICEA	S-104-696	Sub-units
RoHS	2002/95/EC	Cable
MSHA		

Temperature Specifications

	Temperature Range	
	Plenum	Riser
Installation	-10°C to +70°C	-20°C to +75°C
Operating	-40°C to +70°C	-40°C to +75°C
Storage	-40°C to +70°C	-40°C to +75°C

Contact AFL for further details.

Premise Cable