

Multi-Unit Circular Premise Cable

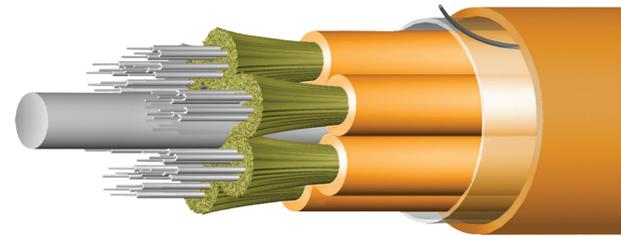
Multi-Unit Circular Premise Cables are for use in applications requiring fiber counts between 24 and 144 fibers. Unitized construction allows for ease of fiber identification and rapid installation.

Features

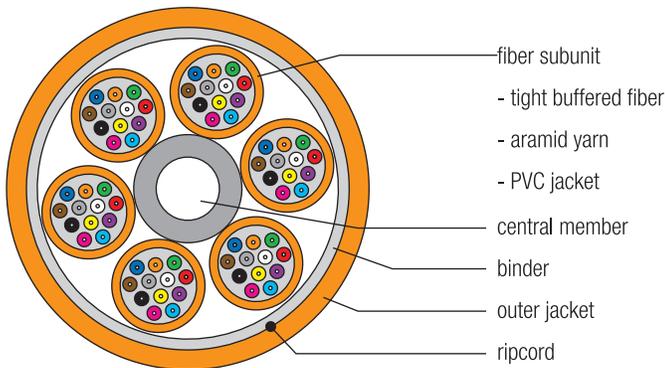
- Available with 24 to 144 fibers
- 12-fiber water-blocked sub-units
- Moisture-resistant, fungus-resistant and UV-resistant outer jacket
- Hybrid constructions also available

Applications

- Headend termination to a fiber "backbone"
- Termination of fiber rack systems
- Multi-floor deployment where select fibers are used at each floor
- Intrabuilding "backbones"



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 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



continued →

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Mechanical Data

Cable Type	AL No.		Fiber Count	Nominal Diameter	Weight		Tension		Bending Radius	
	Riser	Plenum			Riser	Plenum	lbs (N)		inches (cm)	
					Inches (mm)	lbs/1000ft (kg/km)	lbs/1000ft (kg/km)	Installation	Long Term	Installation
CPC with 12 Fiber Subunits	CR024★501##1	CP024★551##1	24	0.30 x 0.52 (7.6 x 13.2)	57 (86)	62 (92)	300 (1320)	150 (660)	5.0 (12.0)	4.0 (10.0)
	CR036★501##1	CP036★551##1	36	0.56 (14.3)	105 (155)	134 (200)	300 (1320)	150 (660)	9.1 (23.1)	6.1 (15.4)
	CR048★501##1	CP048★551##1	48	0.56 (14.3)	105 (155)	134 (200)	300 (1320)	150 (660)	9.1 (23.1)	6.1 (15.4)
	CR060★501##1	CP060★551##1	60	0.68 (17.3)	160 (235)	211 (315)	300 (1320)	150 (660)	10.4 (26.4)	6.9 (17.6)
	CR072★501##1	CP072★551##1	72	0.68 (17.3)	160 (235)	211 (315)	300 (1320)	150 (660)	11.4 (29.0)	7.6 (19.3)
	CR096★501##1	CP096★551##1	96	0.81 (20.6)	280 (410)	295 (440)	300 (1320)	150 (660)	13.5 (34.2)	9.0 (22.8)
	CR144★501##1	CP144★551##1	144	0.92 (23.4)	288 (430)	302 (450)	300 (1320)	150 (660)	15.0 (38.1)	10.0 (25.4)

★ 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	Component
Telcordia	GR-409-CORE	Sub-units
EIA/TIA	568-A	Sub-units
ICEA	S-104-696	Sub-units
NFPA	262	Cable
RoHS	2002/95/EC	Cable

Temperature Specifications

	Temperature Range	
	Plenum	Riser
Installation	0°C to +70°C	-20°C to +70°C
Operation	0°C to +70°C	-20°C to +70°C
Storage	-40°C to +75°C	-40°C to +75°C

Contact AFL for further details.