

Indoor/Outdoor Riser Sub-unitized MicroCore® Cable

AFL now offers high fiber count Indoor/Outdoor MicroCore Cables. Waterblocked sub-units are helically stranded to provide sub-unitized cables ranging from 24 to 288 fiber counts. These cables are OFNR listed for use in indoor and indoor/outdoor applications. Both the sub-unit jackets and outer sheath contain a UV stabilizer and anti-fungus protection for use in outdoor applications.

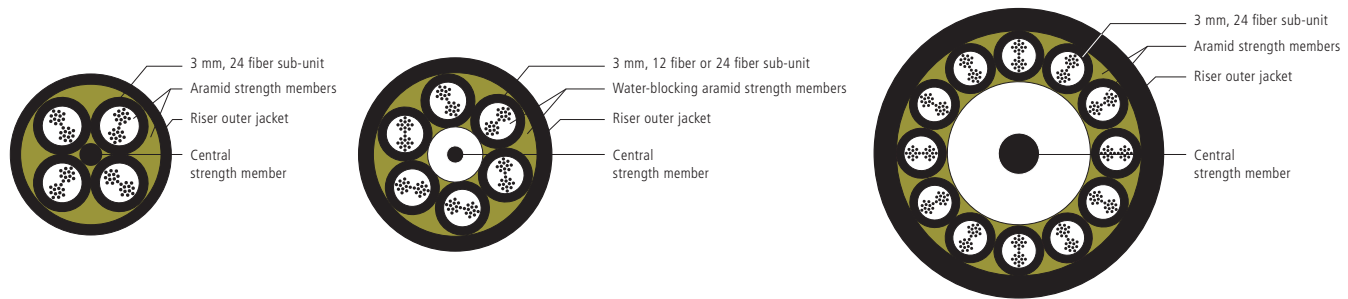
Features

- Available with 24 to 288 fibers
- Water-blocked sub-units
- Moisture-resistant, fungus-resistant and UV-resistant sub-unit jackets and outer sheath

Applications

- ONFR inside plant and outside plant environments

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
(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—Non-Armored

CABLE TYPE	NO. OF SUBS	NO. OF FILLERS	NOMINAL DIAMETER inches (mm)	WEIGHT lbs/1000 ft (kg/km)	TENSION lbs (N)		BENDING RADIUS inches (cm)	
					INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
12 Fiber Subunit	2	2	0.38 (9.7)	52 (78)	300 (1320)	90 (400)	5.7 (14.6)	3.8 (9.7)
	4	0	0.38 (9.7)	54 (80)	300 (1320)	90 (400)	5.7 (14.6)	3.8 (9.7)
	6	0	0.46 (11.6)	77 (115)	300 (1320)	90 (400)	6.9 (17.4)	4.6 (11.6)
	8	0	0.54 (13.7)	105 (155)	300 (1320)	90 (400)	8.1 (20.6)	5.4 (13.7)
	12	0	0.68 (17.3)	250 (370)	300 (1320)	90 (400)	10.2 (26.0)	6.8 (17.3)
24 Fiber Subunit	1	3	0.38 (9.7)	53 (79)	300 (1320)	90 (400)	5.7 (14.6)	3.8 (9.7)
	2	2	0.38 (9.7)	54 (80)	300 (1320)	90 (400)	5.7 (14.6)	3.8 (9.7)
	3	1	0.38 (9.7)	55 (82)	300 (1320)	90 (400)	5.7 (14.6)	3.8 (9.7)
	4	0	0.38 (9.7)	56 (83)	300 (1320)	90 (400)	5.7 (14.6)	3.8 (9.7)
	6	0	0.46 (11.6)	81 (120)	300 (1320)	90 (400)	6.9 (17.4)	4.6 (11.6)
	12	0	0.68 (17.3)	257 (380)	300 (1320)	90 (400)	10.2 (26.0)	6.8 (17.3)

Ordering Information—Non-Armored

CABLE TYPE	NO. OF FIBERS	NO. OF SUBS	NO. OF FILLERS	AFL NO.
				BARE FIBER
12 Fiber Subunit	24	2	2	QR024*3018#B:C4C
	48	4	0	QR048*3018#B:C4C
	72	6	0	QR072*3018#B:C6C
	96	8	0	QR096*3018#B:C8C
	144	12	0	QR144*3018#B:CCC
24 Fiber Subunit	24	1	3	QR024*3018#B:O4C
	48	2	2	QR048*3018#B:O4C
	72	3	1	QR072*3018#B:O4C
	96	4	0	QR096*3018#B:O4C
	144	6	0	QR144*3018#B:O6C
	288	12	0	QR288*3018#B:OCC

Cable Jacket Color Options

1 - Blue	8 - Black
2 - Orange	9 - Yellow (SM)
3 - Green	A - Violet
4 - Brown	B - Rose
5 - Slate	C - Aqua (OM3 and OM4)
6 - White	K - Erika Violet (OM4)
7 - Red	L - Lime

- * Fiber Types – Replace asterisk (*) in AFL number above with number in the Fiber Specifications table on previous page.
- # Subunit Jacket Color – Replace hashtag (#) in AFL number with number in the Cable Jacket Color table at right.
- ** Item numbers represent AFL standard print and Black outer jacket. All jacket colors are UV stable and contain anti-fungal additive. For best performance, AFL recommends Black Outer Jacket.

Qualifications

GOVERNING BODY	STANDARD CODE	COMPONENT
Telcordia	GR-20-CORE GR-409-CORE	Water-Blocked Cabled Buffer Tube Core Sub-units
EIA/TIA	598-A	Sub-units
ICEA	S-104-696	Sub-units
RoHS	2002/95/EC	Cable

Temperature Specifications

TEMPERATURE RANGE	
INSTALLATION	-10°C to +70°C
OPERATION	-40°C to +70°C
STORAGE	-40°C to +70°C

Contact AFL for further details.

Fiber Optic Cable