



Ruggedized MicroCore® Cable – CPR Certified

AFL Ruggedized MicroCore (CPR) is the next generation of maximizing fiber density in AFL's line of high density data center cables. Ruggedized MicroCore an industry leading alternative to a traditional inside plant central loose tube ribbon cable. Both standard 250 µm based fiber and AFL revolutionary Spiderweb Ribbon® Technology designs are available. Ruggedized MicroCore with bare fiber eliminates concerns associated with edge fiber stresses due to preferential bend of encapsulated ribbons. These cables consist of a LSZH (including ONFR-LS/FT4) flame-rated outer jacket with an installation tension rating of 150 lbs. qualified to meet and exceed the requirements of the latest Telcordia GR-409-CORE inside plant cabling requirements.

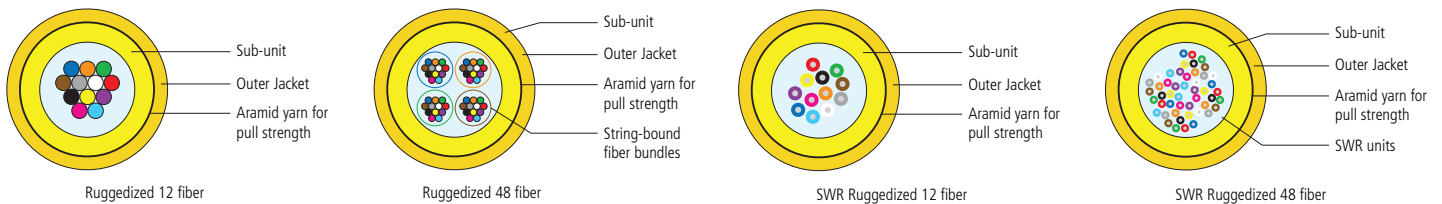
Features

- Available with 250 µm bare fiber or SpiderWeb Ribbon (SWR) optical fiber technology
- Fiber counts 12 to 72
- LSZH Riser flame-rated jacket
- All aramid tensile strength members around core cable for ease of attaching pulling-eye; aramid within core for use with MT termination
- Installation tension rating of 150 lbs.

Applications

- Headend termination to a fiber "backbone"
- Termination of fiber rack systems
- Intra-building "backbones"
- MTP/MPO or MTP to breakout terminations

Cable Components



Technical Information

FIBER COUNT	NOMINAL DIAMETER INCHES (MM)	NOMINAL SUBUNIT INCHES (MM)	WEIGHT LBS/1000 FT (KG/KM)	TENSION LBS (N)		BENDING RADIUS INCHES (CM)	
				INSTALL	LONGTERM	INSTALL	LONGTERM
12	0.19 (4.8)	0.12 (3.0)	15 (22)	150 (660)	45 (200)	2.9 (7.2)	1.9 (4.8)
24	0.19 (4.8)	0.12 (3.0)	15 (22)	150 (660)	45 (200)	2.9 (7.2)	1.9 (4.8)
36	0.22 (5.6)	0.15 (3.8)	21 (31)	150 (660)	45 (200)	3.3 (8.4)	2.2 (5.6)
48	0.22 (5.6)	0.15 (3.8)	22 (32)	150 (660)	45 (200)	3.3 (8.4)	2.2 (5.6)
72	0.25 (6.4)	0.19 (4.8)	30 (45)	150 (660)	45 (200)	3.8 (9.6)	2.5 (6.4)

continued
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Ordering Information—Ruggedized MicroCore with 250 µm Bare Fiber

FIBER COUNT	AFL NO.				CPR CERTIFICATION
	SINGLE-MODE	OM3 50 µm	OM4 50 µm	OM5 50 µm	
12	RE012930199B-B2CA	RE012L301CCB-BIF-B2CA	RE012C301CCB-BIF-B2CA	RE012W301LLB-BIF-B2CA	B2ca - s1a,d0,a1
16	RE016930199B-B2CA	RE016L301CCB-BIF-B2CA	RE016C301CCB-BIF-B2CA	RE016W301LLB-BIF-B2CA	B2ca - s1a,d0,a1
24	RE024930199B-B2CA	RE024L301CCB-BIF-B2CA	RE024C301CCB-BIF-B2CA	RE024W301LLB-BIF-B2CA	B2ca - s1a,d0,a1
32	RE032938199B-B2CA	RE032L381CCB-BIF-B2CA	RE032C381CCB-BIF-B2CA	RE032W381LLB-BIF-B2CA	B2ca - s1a,d1,a1
36	RE036938199B-B2CA	RE036L381CCB-BIF-B2CA	RE036C381CCB-BIF-B2CA	RE036W381LLB-BIF-B2CA	B2ca - s1a,d1,a1
48	RE048940199B-B2CA	RE048L401CCB-BIF-B2CA	RE048C401CCB-BIF-B2CA	RE048W401LLB-BIF-B2CA	B2ca - s1a,d1,a1
72	RE072948199B-B2CA	RE072L481CCB-BIF-B2CA	RE072C481CCB-BIF-B2CA	RE072W481LLB-BIF-B2CA	B2ca - s1a,d1,a1

Ordering Information—Ruggedized MicroCore with SpiderWeb Ribbon® (SWR®)

FIBER COUNT	AFL NO.				CPR CERTIFICATION
	SINGLE-MODE	OM3	OM4	OM5	
12	RE012P30199R-B2CA	RE012L301CCS-BIF-B2CA	RE012C301CCS-BIF-B2CA	N/A	B2ca - s1a,d0,a1
24	RE024P30199R-B2CA	RE024L301CCS-BIF-B2CA	RE024C301CCS-BIF-B2CA	N/A	B2ca - s1a,d0,a1
36	RE036P38199R-B2CA	RE036L381CCS-BIF-B2CA	RE036C381CCS-BIF-B2CA	N/A	B2ca - s1a,d0,a1
48	RE048P40199R-B2CA	RE048L401CCS-BIF-B2CA	RE048C401CCS-BIF-B2CA	N/A	B2ca - s1a,d1,a1
72	RE072P48199R-B2CA	RE072L481CCS-BIF-B2CA	RE072C481CCS-BIF-B2CA	N/A	B2ca - s1a,d1,a1

* Item numbers are built with AFL Standard Fiber, AFL Standard Print with industry standard colors: SMF – Yellow, 50 µm OM3 and OM4 – Aqua, 50 µm OM5 – Lime. Additional Fiber, Print and Color options available, please contact AFL for options.

Qualifications

GOVERNING BODY	STANDARD CODE	COMPONENT
CE	B2ca - s1a,d0,a1	Cable
IEC	60332, 60754, 61034	LSZH/ONFR-LS Jacket
Telcordia	GR-409-CORE	Jacket
EIA/TIA	568	Jacket
ICEA		Jacket
RoHS	REACH	Jacket

Temperature Specifications

	TEMPERATURE RANGE	
	RISER	LSZH
INSTALLATION	0°C to +70°C	-20°C to +70°C
OPERATION	0°C to +60°C	0°C to +60°C
STORAGE	-40°C to +70°C	-40°C to +70°C

Contact AFL for further details.

Fiber Optic Cable