

Sub-unitized Premise MicroCore® 3.0 Base-24 – CPR Certified

The third generation of AFL's Sub-Unitized Premise MicroCore Cable is another astounding evolution of high performance premise cabling. Enabling even greater pathway density than our 2.0 version, the 3.0 Base-24 revolutionizes cable deployment and allows the end user to realize savings in space, routing infrastructures and fiber management with fiber counts up to 288 fibers available. Combining the highest quality materials with rigorous testing to industry standards, this generation builds on the same quality of construction as the previous versions of our Sub-Unitized Premise MicroCore cables. Each stand-alone sub cable is independently qualified and is suitable for individual routing paths within the rack/panel architecture. This flexibility of design and deployment is not available in comparable high density designs. Designed for direct termination, and supportive of both single-fiber and multi-fiber architectures, this cable family is capable of serving as the backbone in any deployed system.

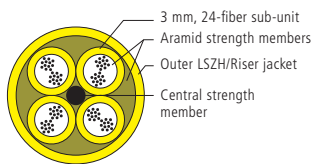
Applications

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

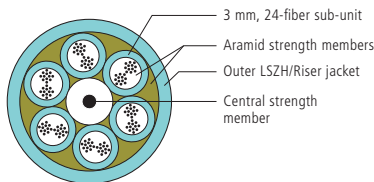
Features

- Available with 250 µm bare fiber (SM or MM) or SpiderWeb Ribbon (SM only) optical fiber technology
- Fiber counts from 48 to 288
- 3.0 mm cable diameter
- 24-fiber sub-units
- LSZH/Riser flame-rated jacket
- All aramid tensile strength members around core cable for ease of attaching pulling-eye; aramid within sub-units for use with MT termination

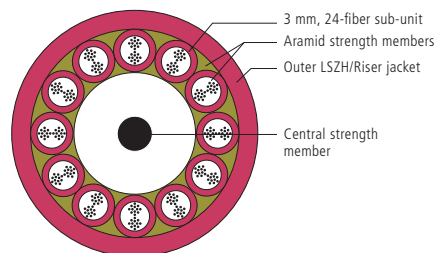
Cable Components



48, 72 and 96 fiber



120 and 144 fiber



240, 264 and 288 fiber

Technical Information—MicroCore 3.0—24 Fiber Sub-units

TYPE	FIBER COUNT	NOMINAL DIAMETER INCHES (MM)	WEIGHT LBS/1000 FT (KG/KM)	TENSION LBS (N)		BENDING RADIUS INCHES (CM)	
				INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
24-FIBER SUBUNITS	48	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	72	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	96	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	144	0.50 (12.7)	107 (160)	150 (670)	45 (200)	7.5 (19.1)	5.0 (12.7)
	168	0.61 (15.5)	171 (255)	150 (670)	45 (200)	9.2 (23.5)	6.1 (15.5)
	192	0.61 (15.5)	171 (255)	150 (670)	45 (200)	9.2 (23.5)	6.1 (15.5)
	216	0.61 (15.5)	171 (255)	150 (670)	45 (200)	9.2 (23.5)	6.1 (15.5)
	288	0.72 (18.4)	218 (325)	150 (670)	45 (200)	11.0 (27.6)	7.2 (18.4)

continued
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Ordering Information – MicroCore 3.0 24-Fiber Sub-units with Single-mode Fiber

TYPE	FIBER COUNT	AFL NO.		CPR CERTIFICATION
		SINGLE-MODE (Standard Bare Fiber)	SINGLE-MODE (SpiderWeb Ribbon®)	
24-FIBER SUBUNITS	48	GE048930199B:O4C-B2CA	GE048P30199R:O4C-B2CA	B2ca - s1a,d0,a1
	72	GE072930199B:O4C-B2CA	GE072P30199R:O4C-B2CA	B2ca - s1,d1,a1
	96	GE096930199B:O4C-B2CA	GE096P30199R:O4C-B2CA	B2ca - s1,d1,a1
	144	GE144930199B:O6C-B2CA	GE144P30199R:O6C-B2CA	B2ca - s1,d1,a1
	168	GE168930199B:O9C-B2CA	GE168P30199R:O9C-B2CA	B2ca - s1,d1,a1
	192	GE192930199B:O9C-B2CA	GE192P30199R:O9C-B2CA	B2ca - s1,d1,a1
	216	GE216930199B:OCC-B2CA	GE216P30199R:OCC-B2CA	B2ca - s1,d1,a1
	288	GE288930199B:OCC-B2CA	GE288P30199R:OCC-B2CA	B2ca - s1a,d0,a1

Ordering Information—MicroCore 3.0—24-Fiber Sub-units with Multimode Fiber

TYPE	FIBER COUNT				CPR CERTIFICATION
		OM3 50 µm	OM4 50 µm	OM5 50 µm	
24-FIBER SUBUNITS	48	GE048L301CCB:O4C-BIF-B2CA	GE048C301CCB:O4C-BIF-B2CA	GE048W301LLB:O4C-BIF-B2CA	B2ca - s1a,d0,a1
	72	GE072L301CCB:O4C-BIF-B2CA	GE072C301CCB:O4C-BIF-B2CA	GE072W301LLB:O4C-BIF-B2CA	B2ca - s1,d1,a1
	96	GE096L301CCB:O4C-BIF-B2CA	GE096C301CCB:O4C-BIF-B2CA	GE096W301LLB:O4C-BIF-B2CA	B2ca - s1,d1,a1
	144	GE144L301CCB:O6C-BIF-B2CA	GE0144C301CCB:O6C-BIF-B2CA	GE144W301LLB:O6C-BIF-B2CA	B2ca - s1,d1,a1
	168	GE168L301CCB:O9C-BIF-B2CA	GE168C301CCB:O9C-BIF-B2CA	GE168W301LLB:O9C-BIF-B2CA	B2ca - s1,d1,a1
	192	GE192L301CCB:O9C-BIF-B2CA	GE192C301CCB:O9C-BIF-B2CA	GE192W301LLB:O9C-BIF-B2CA	B2ca - s1,d1,a1
	216	GE216L301CCB:OCC-BIF-B2CA	GE216C301CCB:OCC-BIF-B2CA	GE216W301LLB:OCC-BIF-B2CA	B2ca - s1,d1,a1
	288	GE288L301CCB:OCC-BIF-B2CA	GE288C301CCB:OCC-BIF-B2CA	GE288W301LLB:OCC-BIF-B2CA	B2ca - s1a,d0,a1

* Multimode fiber cables only available with standard bare fiber.

** Item numbers are built with AFL Standard Fiber, AFL Standard Print with industry standard colors: SMF – Yellow; 50 µm OM3 and OM4 – Aqua; and 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 B2ca - s1,d1,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	
	LSZH/RISER
INSTALLATION	-20°C to +70°C
OPERATION	0°C to +60°C
STORAGE	-40°C to +70°C

Contact AFL for further details.

Fiber Optic Cable