

Sub-unitized Premise MicroCore® 3.0 Base-12 – CPR Certified

AFL's Sub-Unitized Premise MicroCore 3.0 Base-12 cables represent the foundation for the MicroCore portfolio, designs are available up to 144 fibers. Available with standard 250 μm based fiber design. 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.

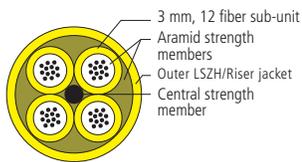
Features

- Fiber counts from 24 to 144
- 3.0 mm cable diameter
- 12-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

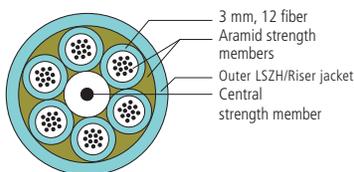
Applications

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

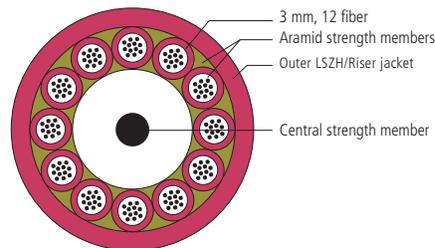
Cable Components



24, 36 and 48 fiber



72 fiber



144 fiber

Technical Information—MicroCore 3.0 12 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
12-FIBER SUBUNITS	24	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	36	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	48	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	60	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	72	0.44 (11.1)	77 (115)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	96	0.52 (13.3)	120 (175)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	144	0.59 (14.9)	125 (185)	150 (670)	45 (200)	7.5 (19.1)	5.0 (12.7)

continued
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Ordering Information—MicroCore 3.0 12-Fiber Sub-units with Standard Bare 250 µm Fiber

TYPE	FIBER COUNT	AFL NO.				CPR CERTIFICATION
		SINGLE-MODE	OM3 50 µm	OM4 50 µm	OM5 50 µm	
12-FIBER SUBUNITS	24	GE024930199B:C4C-B2CA	GE024L301CCB:C4C-BIF-B2CA	GE024C301CCB:C4C-BIF-B2CA	GE024W301LLB:C4C-BIF-B2CA	B2ca - s2,d1,a1
	36	GE036930199B:C4C-B2CA	GE036L301CCB:C4C-BIF-B2CA	GE036C301CCB:C4C-BIF-B2CA	GE036W301LLB:C4C-BIF-B2CA	B2ca - s2,d1,a1
	48	GE048930199B:C4C-B2CA	GE048L301CCB:C4C-BIF-B2CA	GE048C301CCB:C4C-BIF-B2CA	GE048W301LLB:C4C-BIF-B2CA	B2ca - s2,d1,a1
	60	GE060930199B:C6C-B2CA	GE060L301CCB:C6C-BIF-B2CA	GE060C301CCB:C6C-BIF-B2CA	GE060W301LLB:C6C-BIF-B2CA	B2ca - s2,d1,a1
	72	GE072930199B:C6C-B2CA	GE072L301CCB:C6C-BIF-B2CA	GE072C301CCB:C6C-BIF-B2CA	GE072W301LLB:C6C-BIF-B2CA	B2ca - s2,d1,a1
	96	GE096930199B:C8C-B2CA	GE096L301CCB:C8C-BIF-B2CA	GE096C301CCB:C8C-BIF-B2CA	GE096W301LLB:C8C-BIF-B2CA	B2ca - s2,d1,a1
	144	GE144930199B:CCC-B2CA	GE144L301CCB:CCC-BIF-B2CA	GE144C301CCB:CCC-BIF-B2CA	GE144W301LLB:CCC-BIF-B2CA	B2ca - s2,d1,a1

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	
	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.