

## Sub-unitized Premise MicroCore® 3.0

The third generation of our Sub-Unitized Premise MicroCore cables is another astounding evolution of high performance premise cabling. Enabling even greater pathway density than our 2.0 version, the 3.0 revolutionizes cable deployment and allows the end user to realize savings in space, routing infrastructures and fiber management. 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. Also similar to previous version is the employment of stand-alone sub cables. Each 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

- In-building cable runs where space is a premium
- Trunk applications where flexibility and small bend radii are required to route cable
- High density cable areas like data centers and central offices
- Lower cost cable runs where easy handling of tight buffered fibers not needed because cable will be spliced to factory terminated pigtailed

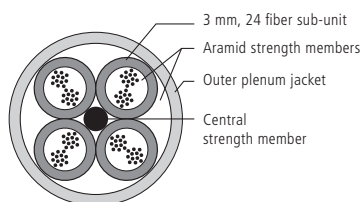
### Features

- Plenum NFPA 262 Rated
- Tested to meet or exceed EIA/TIA 568-B3, Telcordia GR-409-CORE (Issue 2 - Horizontal Backbone Cables) and ANSI/ICEA S-83-596
- CSA 22.2#232 (FT6)
- Compliant to Directive 2002/95/EC (RoHS)
- Flexible dielectric FRP central strength member
- All aramid tensile strength members within sub-units

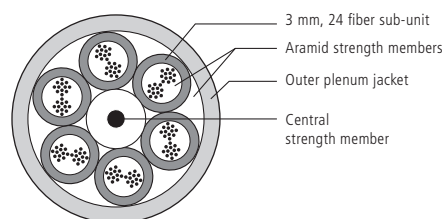
### Benefits

- High fiber density - more channels in less space
- No preferential bend direction typically found in stacked ribbon designs
- Small diameter/ superior bend performance
- Each sub-unit can stand alone as a rated cable
- Sub-units are suitable for direct termination with round boot MTP

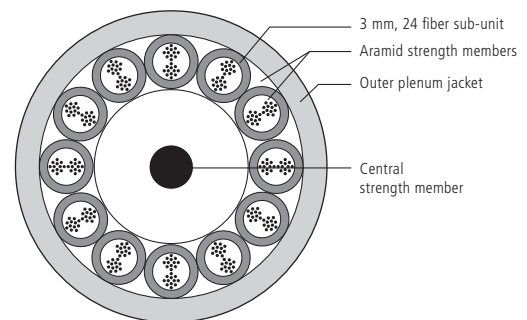
### Cable Components



24, 48, 72  
and 96 Fiber



120 and 144 Fiber



168, 192, 216, 240,  
264 and 288 Fiber

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### Mechanical Data

AFL NO.	FIBER COUNT	NUMBER OF SUBS	NUMBER 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
GP024★301##B-4	24	1	3	0.40 (10.2)	63 (94)	150 (660)	45 (198)	6.0 (15.2)	4.0 (10.2)
GP048★301##B	48	2	2	0.40 (10.2)	65 (96)	150 (660)	45 (198)	6.0 (15.2)	4.0 (10.2)
GP072★301##B	72	3	1	0.40 (10.2)	66 (98)	150 (660)	45 (198)	6.0 (15.2)	4.0 (10.2)
GP096★301##B	96	4	0	0.40 (10.2)	67 (100)	150 (660)	45 (198)	6.0 (15.2)	4.0 (10.2)
GP120★301##B	120	5	1	0.50 (12.7)	106 (158)	150 (660)	45 (198)	7.5 (19.1)	5.0 (12.7)
GP144★301##B	144	6	0	0.50 (12.7)	108 (160)	150 (660)	45 (198)	7.5 (19.1)	5.0 (12.7)
GP168★301##B	168	7	5	0.72 (18.4)	228 (340)	150 (660)	45 (198)	11.0 (27.9)	7.2 (18.4)
GP192★301##B	192	8	4	0.72 (18.4)	230 (342)	150 (660)	45 (198)	11.0 (27.9)	7.2 (18.4)
GP216★301##B	216	9	3	0.72 (18.4)	231 (344)	150 (660)	45 (198)	11.0 (27.9)	7.2 (18.4)
GP240★301##B	240	10	2	0.72 (18.4)	233 (346)	150 (660)	45 (198)	11.0 (27.9)	7.2 (18.4)
GP264★301##B	264	11	1	0.72 (18.4)	234 (348)	150 (660)	45 (198)	11.0 (27.9)	7.2 (18.4)
GP288★301##B	288	12	0	0.72 (18.4)	235 (350)	150 (660)	45 (198)	11.0 (27.9)	7.2 (18.4)

★ Please specify fiber type when ordering (see specifications)

- 5 = 50/125 µm multimode GIGA-Link™ 600
- 7 = 50/125 µm multimode GIGA-Link™ 2000
- 6 = 62.5/125 µm multimode GIGA-Link™ 300
- 8 = 62.5/125 µm multimode GIGA-Link™ 1000
- 9=9/125 µm single-mode
- L=50/125 µm multimode Laser-Link 300 for 10 Gigabit Ethernet
- K=Single-mode Futureguide SR-15e Bend Insensitive

Contact Customer Service for special fiber types/performance needs

# Please specify outer jacket/sub-unit color when ordering (see below)

- 1=Blue
- 2=Orange
- 3=Green
- 4=Brown
- 5=Slate
- 6=White
- 7=Red
- 8=Black
- 9=Yellow
- A=Violet
- B=Rose
- C=Aqua

### Specifications

CORE SIZE/ FIBER TYPE	ISO/ IEC	MAXIMUM ATTENUATION (DB/KM)			OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM)		EMB <sub>c</sub> (MHZ•KM)	GIGABIT ETHERNET MIN. LINK DISTANCE (METERS)		10 GIGABIT ETHERNET MIN. 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	—
(8) 62.5 Giga-Link™ 1000	OM1	3.5	1.2	N/A	350	600	N/A	500	1000	65	—
(5) 50 Giga-Link™ 600	OM2	3.5	1.5	N/A	500	500	N/A	600	600	82	—
(7) 50 Giga-Link™ 2000	OM2	3.5	1.2	N/A	500	800	N/A	750	2000	110	—
(A) 50 Laser-Link 150	OM2	3.0	1.2	N/A	700	500	950	800	550	150	—
(L) 50 Laser-Link 300	OM3	3.0	1.2	N/A	1500	500	2000	1000	550	300	—
(C) 50 Laser-Link 550	OM4	3.0	1.2	N/A	3500	550	4700	1040	550	550	—
(K) SM Futureguide SR-15e Bend Insensitive (ITU G.657.A)	OS2	N/A	0.5	0.5	N/A	N/A	N/A	N/A	5000	N/A	10,000
(9) SM	OS2	N/A	0.5	0.5	N/A	N/A	N/A	N/A	5,000	N/A	10,000
(1) 100/140 Multimode		5.5	3.5	N/A	100	100	N/A	N/A	N/A	N/A	N/A

### Temperature Specifications

TEMPERATURE RANGE		
INSTALLATION	0C to +60C	32F to +140F
OPERATION	0C to +70C	32F to +158F
STORAGE	-40C to +70C	-40F to +158F