

## Interconnect Premise MicroCore® Cable

Interconnect Premise MicroCore cables are designed for MTP terminations and meet the interconnect standards of Telcordia® GR-409. To minimize the cable's diameter, multiple colored 250 μm fibers and aramid strands are packaged in a high performance PVC or LSZH jacket. Fiber counts from 8 to 72 fibers are available. Both Simplex and Zipcord designs are available.

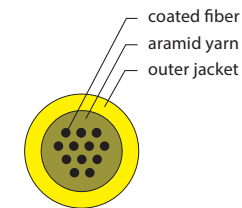
### Features

- Plenum NFPA 262 rated
- LSZH cables compliant to IEC60332, IEC60754 and IEC61034
- Tested to meet or exceed GR-409-CORE
- Compliant to Directive 2002/95/EC (RoHS)
- 2.0 mm or 3.0 mm Outer Diameter for Round Boot 12-fiber MTP Cables
- 3.0 mm or 3.8 mm Outer Diameter for Round Boot 24-fiber MTP Cables
- 4.0 mm Outer Diameter for Round Boot 48-count MTP Cables
- Exceptional skew performance

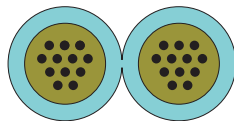
### Applications

- Building Interconnections
- Data Centers and Central Offices
- Anywhere MTP connections can be used
- High-density Interconnects
- 40 Gbit and 100 Gbit Ethernet Architecture

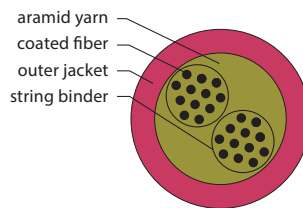
## Cable Components



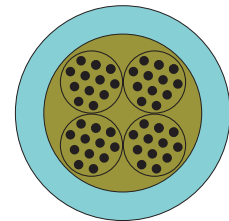
12 Fiber Simplex



24 Fiber Zipcord  
(3.0 mm only)



24 Fiber Simplex



48 Fiber Simplex

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### Mechanical Data

CABLE TYPE	PLENUM	LSZH	FIBER COUNT	NOMINAL DIAMETER	WEIGHT	TENSION LBS (N)		BENDING RADIUS INCHES (CM)	
	AFL NO.			INCHES (MM)	LBS/1000 FT (KG/KM)	INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
	SP/ZP	SE/ZE							
SINGLE SMALL FORM	SP008◆201#0B	SE008◆201#0B	8	0.08 (2.0)	2.6 (4.0)	22 (98)	7 (30)	1.2 (3.0)	0.8 (2.0)
	SP012◆201#0B	SE012◆201#0B	12	0.08 (2.0)	2.6 (4.0)	22 (98)	7 (30)	1.2 (3.0)	0.8 (2.0)
	SP016◆301#0B	SE016◆301#0B	16	0.12 (3.0)	5.3 (7.9)	22 (98)	7 (30)	1.8 (4.5)	1.2 (3.0)
	SP024◆301#0B	SE024◆301#0B	24	0.12 (3.0)	5.3 (7.9)	22 (98)	7 (30)	1.8 (4.5)	1.2 (3.0)
	SP032◆381#0B	SE032◆381#0B	32	0.15 (3.8)	9.4 (14.0)	22 (98)	7 (30)	2.2 (5.7)	1.5 (3.8)
	SP048◆381#0B	SE048◆381#0B	48	0.15 (3.8)	9.4 (14.0)	22 (98)	7 (30)	2.2 (5.7)	1.5 (3.8)
SIMPLEX	SP008◆301#0B	SE008◆301#0B	8	0.12 (3.0)	5.3 (7.9)	50 (220)	17 (75)	1.8 (4.5)	1.2 (3.0)
	SP012◆301#0B	SE012◆301#0B	12	0.12 (3.0)	5.3 (7.9)	50 (220)	17 (75)	1.8 (4.5)	1.2 (3.0)
	SP024◆381#0B	SE024◆381#0B	24	0.15 (3.8)	10.1 (15.0)	75 (330)	25 (110)	2.2 (5.7)	1.5 (3.8)
	SP048◆401#0B	SE048◆401#0B	48	0.16 (4.0)	9.4 (14.0)	50 (220)	17 (75)	2.4 (6.0)	1.6 (4.0)
	SP048◆481#0B	SE048◆481#0B	48	0.19 (4.8)	14.1 (21.0)	75 (330)	25 (110)	2.8 (7.2)	1.9 (4.8)
	SP064◆451#0B	SE064◆451#0B	64	0.18 (4.5)	13.4 (20.0)	50 (220)	17 (75)	2.7 (6.8)	1.8 (4.5)
ZIPCORD	SP072◆481#0B	SE072◆481#0B	72	0.19 (4.8)	16.1 (24.0)	50 (220)	17 (75)	2.8 (7.2)	1.9 (4.8)
	ZP024◆301#0B	ZE024◆301#0B	24	0.12 (3.0)	12.4 (18.4)	100 (445)	33 (147)	1.8 (4.5)	1.2 (3.0)

◆ Fiber Types – Replace diamond (◆) in AFL No. with number in the Fiber Specifications table below.

# Outer Jacket Color – Replace hashtag (#) in AFL No. with number in the Cable Jacket Color table below.

16 unique colors available for fibers in 16 fiber subunit: Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua, Olive, Tan, Lime, Magenta

### Cable Jacket Color Options

1 - Blue	8 - Black
2 - Orange (OM1 and OM2)	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 (Pending for OM5)

### Temperature Specifications

TEMPERATURE RANGE	
INSTALLATION	0°C to +70°C
OPERATING	0°C to +70°C
STORAGE	-40°C to +75°C

### Loose Fiber 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
(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

\*Other fiber types available (All ITU G.657 grade SMF available)