

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 PVC or LSZH jacket. Simplex and Zipcord designs are available in a variety of fiber counts.

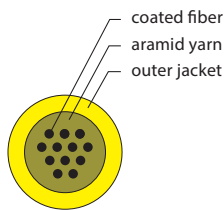
Features

- 8 to 72 fibers
- 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

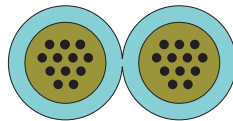
Applications

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

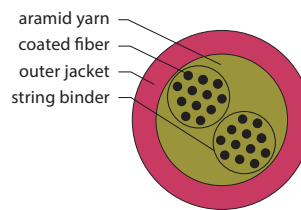
Cable Components



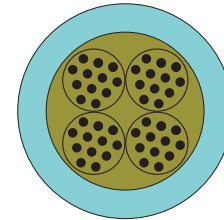
12 Fiber Simplex



24 Fiber Zipcord
(3.0 mm only)



24 Fiber Simplex



48 Fiber Simplex

Fiber Specifications

CORE SIZE/FIBER TYPE	ISO/IEC	MAXIMUM ATTENUATION (DB/KM)			OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM)		EMB _c (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	—
(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)

continued
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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)
	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)
ZIPCORD	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 on previous page.

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, Magenta, Tan, Lime.

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)

Qualifications

GOVERNING BODY	STANDARD CODE
NFPA	262
IEC	60332
IEC	60754
IEC	61034
Telcordia	GR-409-CORE
RoHS	Compliant to 2002/95/EC

Temperature Specifications

TEMPERATURE RANGE	
Operation	0°C to +70°C
Storage	-40°C to +75°C
Installation	0°C to +70°C

Contact AFL for cable designs.