

Simplex Cable

Simplex fiber optic cables provide the strength and flexibility required for today's fiber inter-connect applications. AFL Telecommunications offers the broadest selection of simplex cordage including Plenum, Riser and LSZH, available in all diameters. Our simplex cable is tested to meet Telcordia GR-326 when used in connectorized assemblies. AFL Telecommunications provides customized performance with regard to jacket stiffness and flexibility, diameter, print legend, jacket color and tight buffer strippability. The easy strip option allows removal of up to one meter of 900µm material without stripping the fiber's 250µm coating. Compliant with Directive 2002/95/EC (RoHS).

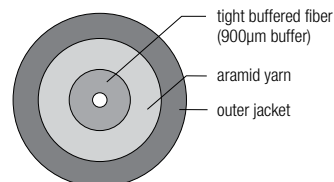
Features

- Tested to meet or exceed EIA/TIA 568-133 and Telcordia GR-409-CORE
- Compliant to Directive 2002/95/EC (RoHS)
- LSZH meets the requirements of IEC 61034-1, 61034-2, 60332-1-1, 60332-1-2, 60754-1, 60754-2

Applications

- Building Interconnections (Campus LAN)
- Trunking Lines Direct to Telecommunications Closet
- Fiber patch panels within communications closets
- Long Haul Networks
- Links between electronic equipment and fiber patch panels
- Connectorized patch cords for cross connect applications

Cable Components



Mechanical Data

PART #	FIBER COUNT	NOMINAL DIAMETER INCHES (MM)	WEIGHT		TENSION		BENDING RADIUS		TEMPERATURE RANGE		
			RISER	PLENUM	LBS (N)		INCHES (CM)		OPERATING/ INSTALLATION	STORAGE	
			LBS/1000FT (KG/KM)	LBS/1000FT (KG/KM)	INSTALLATION	LONG TERM	INSTALLATION	LONG TERM			
PLENUM	SP001 ★ 301001	1	0.11 (2.9)	—	6 (9)	119(530)	60 (267)	2.0 (5.0)	1.2 (3.0)	0°C to +70°C	-40°C to +75°C
	SP001 ★ 241001	1	0.09 (2.4)	—	5 (7)	119 (530)	60 (267)	2.0 (5.0)	1.2 (3.0)		
	SP001 ★ 201001	1	0.08 (2.0)	—	3 (5)	64 (285)	32 (142)	2.0 (5.0)	1.2 (3.0)		
	SP001 ★ 161001	1	0.06 (1.6)	—	2 (3)	48 (213)	24 (106)	2.0 (5.0)	1.2 (3.0)		
RISER	SA001 ★ 301001	1	0.11 (2.9)	5 (7)	—	119(530)	60 (267)	2.0 (5.0)	1.2 (3.0)	-20°C to +70°C	-40°C to +75°C
	SR001 ★ 241001	1	0.09 (2.4)	3 (5)	—	119 (530)	60 (267)	2.0 (5.0)	1.2 (3.0)		
	SR001 ★ 201001	1	0.08 (2.0)	3 (4)	—	64 (285)	32 (142)	2.0 (5.0)	1.2 (3.0)		
	SR001 ★ 161001	1	0.06 (1.6)	2 (2)	—	48 (213)	24 (106)	2.0 (5.0)	1.2 (3.0)		
LSZH	SE001 ★ 30100E	1	0.11 (2.9)	5 (7)	—	119(530)	60 (267)	2.0 (5.0)	1.2 (3.0)	0°C to +70°C	-40°C to +75°C
	SE001 ★ 24100E	1	0.09 (2.4)	3 (5)	—	119 (530)	60 (267)	2.0 (5.0)	1.2 (3.0)		
	SE001 ★ 20100E	1	0.08 (2.0)	3 (4)	—	64 (285)	32 (142)	2.0 (5.0)	1.2 (3.0)		

★ Please specify fiber type when ordering (see below)

1 = 100/140µm multimode fiber

5 = 50/125µm multimode GIGA-Link™ 600

7 = 50/125µm multimode GIGA-Link™ 2000

6 = 62.5/125µm multimode GIGA-Link™ 300

8 = 62.5/125µm multimode GIGA-Link™ 1000

9 = 9/125µm single-mode

L = 50/125µm 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.

Simplex Cable

Specifications

CORE SIZE/ FIBER TYPE	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)	
	850NM	1300NM	1550NM	850NM	1300NM		850NM	1300NM	850NM	1300NM
(6) 62.5 Giga-Link™ 300	3.5	1.2	N/A	200	600	N/A	300	550	32	—
(8) 62.5 Giga-Link™ 1000	3.5	1.2	N/A	350	600	N/A	500	1000	65	—
(5) 50 Giga-Link™ 600	3.5	1.5	N/A	500	500	N/A	600	600	82	—
(7) 50 Giga-Link™ 2000	3.5	1.2	N/A	500	800	N/A	750	2000	110	—
(A) 50 Laser-Link 150	3.0	1.2	N/A	700	500	950	800	550	150	—
(L) 50 Laser-Link 300	3.0	1.2	N/A	1500	500	2000	1000	550	300	—
(C) 50 Laser-Link 550	3.0	1.2	N/A	4700	550	3500	1040	550	550	—
(K) SM Futureguide SR-15e Bend Insensitive (ITU G.657.A)	N/A	0.5	0.5	N/A	N/A	N/A	N/A	5000	N/A	10,000
(9) SM	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

Tested to meet or exceed EIA/TIA 568-B3 / Telcordia GR-409-CORE

Maximum Cable Length - Reel Size

ITEM	FIBER BOX*	REEL Z	REEL A	REEL B
Reel/Box Height (inches)	15.13	14.0	16.0	24.0
Reel/Box Outside Width (inches)	13.0	12.0	15.0	17.0
Drum Diameter (inches)	8.0	8.0	8.0	12.0
Reel Weight (lbs)	6.0	7.0	10.0	23.0
CAPACITY: METERS (FEET)				
Simplex 1.6	—	5,000 (16,404)	5,000 (16,404)	—
Simplex 2.0	—	3,500 (11,483)	5,000 (16,404)	—
Simplex 2.4	—	—	4,000 (13,123)	5,000 (16,404)
Simplex 3.0	914 (3,000)	—	2,500 (8,202)	5,000 (16,404)

* Add suffix "—XMFBOX" to cable part number to specify "Fiber-In-A-Box" solution. "X" indicates length of cable in thousands of feet. Only available in standard lengths as indicated in chart above.

EXAMPLE: SP0019301001—3MFBOX

Would be the resulting part number for 3,000 feet of SP001*301001 cable with 9/125µm single-mode fiber and the Fiber-In-A-Box solution. Refer to Fiber-In-A-Box data at front of catalog.