Zipcord, Dual-link and Micro-Dual Cable

Zipcord, DUAL-link and Micro-Dual cables provide links to the future for such protocols as FDDI, 10 Gigabit Ethernet, ATM, and Fibre Channel. Connections are easy to terminate with this flexible, two-fiber design. AFL offers the broadest selection of duplex cordage including Plenum, Riser and LSZH in all diameters. LSZH jacketed cables are OFNR listed. One design for global companies that don't want to maintain multiple cable types for varying global standards. Compliant with Directive 2002/95/EC (RoHS).
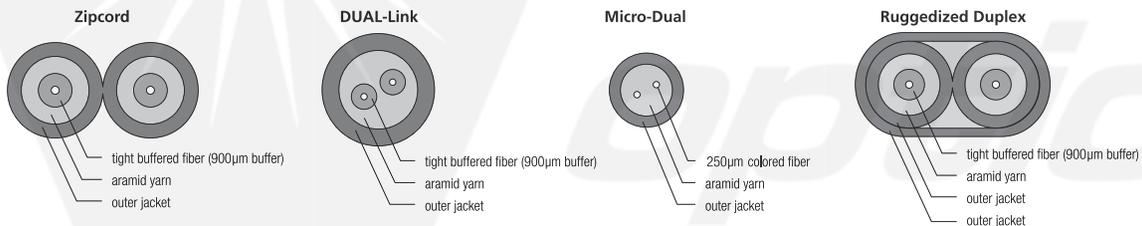
Features

- Print legend customization
- Jacket color (12 standard colors available)
- Tight Buffer strippability (easy strip option allows removal of up to 1 meter of 900 µm material without stripping the fiber's 250 µm coating)
- Ruggedized Duplex designs for transport from communications closet to wall outlet
- Tested to meet or exceed EIA/TIA 568-133 and Telcordia GR-409-CORE
- LSZH meets the requirements of IEC 61034-1, 61034-2, 60332-1-1, 60332-1-2, 60754-1, 60754-2
- Compliant to Directive 2002/95/EC (RoHS)

Applications

- Communications closet to wall outlet
- Wall outlet to desk
- Connectorized patchcords for interconnect and cross-connect applications
- Easy interface to ESCON®, FDDI, and various other duplex connectors

Cable Components

Zipcord
tight buffered fiber (900µm buffer)
aramid yarn
outer jacket

DUAL-Link
tight buffered fiber (900µm buffer)
aramid yarn
outer jacket

Micro-Dual
250µm colored fiber
aramid yarn
outer jacket

Ruggedized Duplex
tight buffered fiber (900µm buffer)
aramid yarn
outer jacket
outer jacket

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	—
(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) AFL G.657.A1 Single-mode	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

Zipcord, Dual-link and Micro-Dual Cable

Mechanical Data

CABLE TYPE	AFL NO.			FIBER COUNT	NOMINAL DIAMETER	WEIGHT		TENSION		BENDING RADIUS	
						RISER	PLENUM	LBS (N)		INCHES (CM)	
	RISER	PLENUM	LSZH		INCHES (mm)	LBS/ 1000 FT (kg/km)	LBS/ 1000 FT (kg/km)	INSTALLA-TION	LONG TERM	INSTALLA-TION	LONG TERM
Zipcord	ZA002✶301#01	ZP002✶301#01	ZE002✶301#0E	2	0.11 x 0.22 (2.9 x 6.0)	10 (15)	12 (18)	22 (100)	7 (30)	2.0 (5.0)	1.2 (3.0)
	ZR002✶241#01	ZP002✶241#01	ZE002✶241#0E	2	0.09 x 0.19 (2.4 x 4.8)	7 (10)	9 (14)	22 (100)	7 (30)	2.0 (5.0)	1.2 (3.0)
	ZR002✶201#01	ZP002✶201#01	ZE002✶201#0E	2	0.08 x 0.16 (2.0 x 4.0)	5 (8)	7 (10)	22 (100)	7 (30)	2.0 (5.0)	1.2 (3.0)
	ZR002✶161#01	ZP002✶161#01	—	2	0.06 x 0.12 (1.6 x 3.2)	4 (6)	7 (6)	22 (100)	7 (30)	2.0 (5.0)	1.2 (3.0)
Micro-Dual	DR002✶201#0B	DP002✶201#0B	DE002✶201#0B	2	0.08 (2.0)	3 (5)	5 (7)	22 (100)	7 (30)	1.2 (3.0)	0.78 (2.0)
DUAL-Link	DA002✶481#01	DP002✶481#01	DE002✶481#0E	2	0.19 (4.8)	13 (20)	17 (20)	22 (100)	7 (30)	3.1 (7.2)	2.0 (7.2)
	DR002✶281#01	DP002✶281#01	DE002✶281#0E	2	0.11 (2.8)	5 (7)	6 (9)	22 (100)	7 (30)	2.0 (5.0)	1.2 (3.0)
	DR002✶241#01	DP002✶241#01	DE002✶241#0E	2	0.094 (2.4)	3 (5)	5 (7)	22 (100)	7 (30)	2.0 (5.0)	1.2 (3.0)
Ruggedized Duplex	RR002✶301#01	RP002✶241#01	—	2	0.185 x 0.30 (4.7 x 7.6)	34 (50)	—	22 (100)	7 (30)	2.8 (7.1)	1.9 (4.7)

✶ Fiber Types – Replace asterisk (✶) in AFL number with number in the Fiber Specifications table on previous page.
Outer Jacket Color – Replace hashtag (#) in AFL number with number in the Cable Jacket Color table below.

Cable Jacket Color Options

1 - Blue	8 - Black
2 - Orange	9 - Yellow
3 - Green	A - Violet
4 - Brown	B - Rose
5 - Slate	C - Aqua
6 - White	K - Erika Violet (RAL 4003)
7 - Red	

Temperature Specifications

TEMPERATURE RANGE		
	PLENUM	RISER
INSTALLATION	0°C to +70°C	-20°C to +70°C
OPERATING	0°C to +70°C	-20°C to +70°C
STORAGE	-40°C to +75°C	-40°C to +75°C

Maximum Cable Length - Reel Size

ITEM	FIBER BOX*	REEL A	REEL B	REEL C
Reel/Box Height (inches)	15.13	16	24	30
Reel/Box Outside Width (inches)	13.0	15	17	15.25
Drum Diameter (inches)	8.0	8	12	12
Reel Weight (lbs)	6.0	10	23	34
CAPACITY: Meters (Feet)				
Zipcord 1.6mm	—	4,500 (14,764)	—	—
Zipcord 2.0mm	—	2,850 (9,350)	5,000 (16,400)	—
Zipcord 2.4mm	—	2,000 (6,562)	5,000 (16,400)	—
Zipcord 3.0mm	914 (3,000)	1,250 (4,100)	4,000 (13,123)	5,000 (16,400)
DUAL-Link 2.4mm	—	4,000 (13,123)	5,000 (16,400)	—
DUAL-Link 2.8mm	—	2,500 (8,200)	5,000 (16,400)	—
DUAL-Link 4.8mm	305 (1,000)	900 (2,953)	3,200 (10,500)	4,500 (14,764)
Ruggedized Duplex	—	—	1,500 (4,921)	2,500 (8,200)

* Add suffix "−XMFBOX" to cable AFL 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:** ZA0029301001−3MFBOX would be the resulting AFL number for 3,000 feet of ZA002*301001 cable with 9/125 μm single-mode fiber and the Fiber-In-A-Box solution. Refer to Fiber-In-A-Box data sheet.

STOCK ITEM