



RIBBON-Link® Cable

RIBBON-Link cables combine high fiber density in a small diameter, flexible package. These cables can be terminated with 12 or 24 fiber multi-fiber connectors or the fibers can be fanned out and terminated individually. Plenum, Riser and LSZH options are all UL listed.

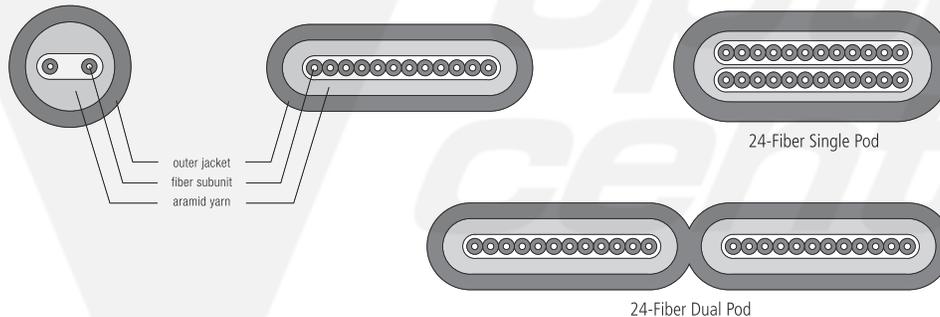
Features

- Fiber counts up to 48 with unitized, zip configuration construction
- Maximum of two 12-fiber ribbons per unit
- Skew matched ribbons available (<10, <6, <5, <4, <3, <2, <1.2 ps/meter)
- Easy interface to MT and MTP based connectors as well as today's newest ribbon connectors (12- or 24-fiber ferrules)
- Ruggedized versions with additional jacketing are available
- Tested to meet or exceed EIA/TIA 568-A / GR-409-CORE
- Compliant to Directive 2002/95/EC (RoHS)

Applications

- Direct interface to computers with the use of "backplane" style fiber connectors
- High density interconnection to wall outlets or patch panels with ribbon connector interfaces
- "Micro-diameter" fanout cables utilizing standard industry fiber connectors (ST, SC, FC, LC, MT-RJ.)
- VSR OC-192/OC-768 Interface based on parallel fiber optics

Cable Components



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

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Mechanical Data

CABLE TYPE	AFL NO.				FIBER COUNT	NOMINAL DIAMETER INCHES (MM)	WEIGHT LBS/ 1000 FT (KG/ KM)	TENSION		BENDING RADIUS	
	PLENUM (PVDF)	PLENUM (PVC)	RISER	LSZH				LBS (N)		INCHES (CM)	
								INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
RIBBON-Link (single pod)	WP004★141#12	WK004★141#12	WR004★141#12	WE004★141#12	4	0.08 x 0.16 (2.1 x 4.0)	7.5 (11)	22 (100)	7 (30)	2.4 (6.0)	1.6 (4.0)
	WP006★161#12	WK006★161#12	WR006★161#12	WE006★161#12	6	0.08 x 0.16 (2.1 x 4.0)	7.5 (11)	22 (100)	7 (30)	2.4 (6.0)	1.6 (4.0)
	WP008★181#12	WK008★181#12	WR008★181#12	WE008★181#12	8	0.08 x 0.16 (2.1 x 4.0)	7.5 (11)	22 (100)	7 (30)	2.4 (6.0)	1.6 (4.0)
	WP012★1C1#12	WK012★1C1#12	WR012★1C1#12	WE012★1C1#12	12	0.08 x 0.18 (2.1 x 4.6)	8 (12)	22 (100)	7 (30)	2.7 (6.9)	1.8 (4.6)
	WP024★1D1#12	WK024★1D1#12	WR024★1D1#12	WE024★1D1#12	24	0.10 x 0.18 (2.5 x 4.6)	8.7 (13)	22 (100)	7 (30)	2.7 (6.9)	1.8 (4.6)
RIBBON-LINK (dual-pod)	WP008★241#12	—	WR008★241#12	WE008★241#12	8	0.08 x 0.32 (2.1 x 8.2)	15 (22)	22 (100)	7 (30)	2.4 (6.0)	1.6 (4.0)
	WP012★261#12	—	WR012★261#12	WE012★261#12	12	0.08 x 0.32 (2.1 x 8.2)	15 (22)	22 (100)	7 (30)	2.4 (6.0)	1.6 (4.0)
	WP016★281#12	—	WR016★281#12	WE016★281#12	16	0.08 x 0.32 (2.1 x 8.2)	15 (22)	22 (100)	7 (30)	2.4 (6.0)	1.6 (4.0)
	WP024★2C1#12	—	WR024★2C1#12	WE024★2C1#12	24	0.08 x 0.36 (2.1 x 9.2)	15 (24)	22 (100)	7 (30)	2.7 (6.9)	1.8 (4.6)
ROUND RIBBON (simplex)	WP002★301#12	—	WR002★301#12	WE002★301#12	2	0.11 (2.9)	5 (7)	22 (100)	7 (30)	2.0 (5.0)	1.2 (3.0)
	WP004★301#12	—	WR004★301#12	WE004★301#12	4	0.11 (2.9)	5 (7)	22 (100)	7 (30)	2.0 (5.0)	1.2 (3.0)

★ 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