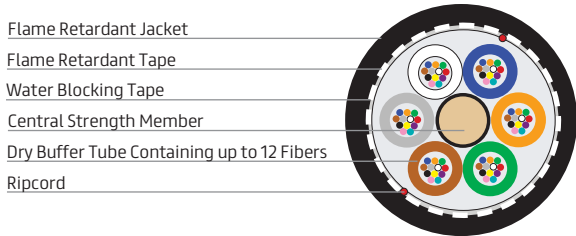
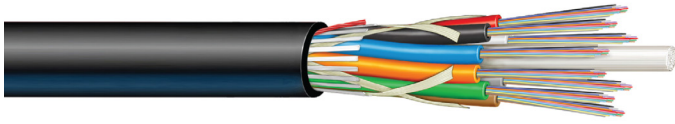


CampusLink LT™ Dry Loose Tube

Indoor/Outdoor Riser and Plenum Cables

Prysmian



OVERVIEW

Prysmian's indoor-outdoor dry loose tube riser or plenum designs provide flame-rated network solutions for a diverse number of network applications. These cables combine flexible dry buffer tubes and swellable water blocking materials with Prysmian's extensive portfolio of single-mode and multimode optical fibers. Incorporating proven outside plant design elements, this cable may be employed in outdoor aerial lashed, duct, and direct buried environments.

Because of its application diversity, this advanced product eliminates the necessity and expense for traditional cable transition points once required in legacy systems. Cost savings and system long term reliability are achieved by enabling cable placement virtually anywhere in the network.

SPECIFICATIONS / RATINGS

- Applications** Multi-purpose indoor/outdoor, aerial, lashed, duct, direct buried
- Constructions** Dielectric (single & dual jacket), ezPREP® corrugated armor, interlock armor
- Flame Ratings** Riser (OFNR / OFCR / FT4)
Plenum (OFNP / OFCP / FT6)
- Fiber Count** 2 to 288 (Riser) / 2 to 144 (Plenum)
- Fiber Types** Single-mode (ESMF, bend-insensitive)
Multimode (62.5/125-OM1, 50/125-OM2+, OM3 & OM4)
- Standards** TIA/EIA-568, ANSI/ICEA S-83-596, ANSI/ICEA S-104-696, UL-1666, NFPA 262, CSA 22.2 No 230, Telcordia GR-409, Telcordia GR-20, CE RoHS Compliant
- Registered Supplier** ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

FEATURES AND BENEFITS

- Fiber identification using TIA standardized color coding
- Dry buffer tubes simplifies access and reduces prep time
- Flame-retardant, black UV-resistant outer jacket
- Flexible kink-resistant buffer tubes for routing and storage
- Available with bend-insensitive single-mode and multimode optical fibers
- Interlock armor designs available for added durability
- Will support all high performance networks including OM5/100 gigabit ethernet systems



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CampusLink LTTM I/O Riser Dielectric Single Jacket (1J - Dry) DRLDB series | OFNR / FT4

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
		Prysmian*	General Cable**		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DRLDB-12-AA-006-BB	XX0064M1M-DT	5	0.40	10.1	63	93	8	20	4	10	41,010	12,500
	12	DRLDB-12-AA-012-BB	XX0124M1M-DT											
	24	DRLDB-12-AA-024-BB	XX0244M1M-DT											
	36	DRLDB-12-AA-036-BB	XX0364M1M-DT											
48	DRLDB-12-AA-048-BB	XX0484M1M-DT												
72	72	DRLDB-12-AA-072-BB	XX0724M1M-DT	6	0.43	10.8	69	102	9	22	4	11	41,010	12,500
96	96	DRLDB-12-AA-096-BB	XX0964M1M-DT	8	0.50	12.8	96	143	10	26	5	13	41,010	12,500
120	120	DRLDB-12-AA-120-BB	XX1204M1M-DT	10	0.57	14.5	123	183	11	29	6	15	41,010	12,500
144	144	DRLDB-12-AA-144-BB	XX1444M1M-DT	12	0.64	16.3	158	234	13	33	7	16	41,010	12,500
216	216	DRLDB-12-AA-216-BB	XX2164M1M-DT	18	0.67	17.0	153	228	15	37	7	19	41,010	12,500
288	288	DRLDB-12-AA-288-BB	XX2884M1M-DT	24	0.78	19.7	205	305	16	40	8	20	33,176	10,112

CampusLink LTTM I/O Riser Dielectric Double Jacket (2J - Dry) DRLDC series | OFNR / FT4

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
		Prysmian*	General Cable**		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DRLDC-12-AA-006-BB		5	0.52	13.2	114	169	10	26	5	13	41,010	12,500
	12	DRLDC-12-AA-012-BB												
	24	DRLDC-12-AA-024-BB												
	36	DRLDC-12-AA-036-BB												
48	DRLDC-12-AA-048-BB													
72	72	DRLDC-12-AA-072-BB		6	0.55	13.9	123	183	11	28	5	14	41,010	12,500
96	96	DRLDC-12-AA-096-BB		8	0.63	15.9	159	237	13	32	6	16	41,010	12,500
120	120	DRLDC-12-AA-120-BB		10	0.69	17.6	194	288	14	35	7	18	33,524	10,218
144	144	DRLDC-12-AA-144-BB		12	0.77	19.4	237	352	15	39	8	19	33,524	10,218

CampusLink LTTM I/O Riser Corrugated Steel Tape Armor with Double Jackets (1A2J - Dry) DRLDD series | OFCR / FT4

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
		Prysmian*	General Cable**		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DRLDD-12-AA-006-BB		5	0.63	16.0	190	283	13	32	6	16	41,010	12,500
	12	DRLDD-12-AA-012-BB												
	24	DRLDD-12-AA-024-BB												
	36	DRLDD-12-AA-036-BB												
48	DRLDD-12-AA-048-BB													
72	72	DRLDD-12-AA-072-BB		6	0.66	16.8	204	304	13	34	7	17	41,010	12,500
96	96	DRLDD-12-AA-096-BB		8	0.74	18.8	250	372	15	38	7	19	35,656	10,868
120	120	DRLDD-12-AA-120-BB		10	0.80	20.3	294	438	16	41	8	20	25,633	7,813
144	144	DRLDD-12-AA-144-BB		12	0.88	22.4	347	517	18	45	9	22	25,633	7,813

CampusLink LTTM I/O Riser Aluminum Interlocking Armor with Black Inner Jacket & Colored Outer Jacket (1A1 2J - Dry) DRLDBAJ series | OFCR / FT4

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
		Prysmian*	General Cable**		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DRLDBAJ-12-AA-006-BB		5	0.73	18.5	200	297	15	37	7	19	14,656	4,467
	12	DRLDBAJ-12-AA-012-BB												
	24	DRLDBAJ-12-AA-048-BB												
	36	DRLDBAJ-12-AA-036-BB												
48	DRLDBAJ-12-AA-048-BB													
72	72	DRLDBAJ-12-AA-072-BB		6	0.76	19.2	214	319	15	38	8	19	10,827	3,300
96	96	DRLDBAJ-12-AA-096-BB		8	0.83	21.2	263	391	17	42	8	21	11,752	3,582
120	120	DRLDBAJ-12-AA-120-BB		10	0.90	22.8	341	507	18	46	9	23	8,235	2,510
144	144	DRLDBAJ-12-AA-144-BB		12	1.00	25.4	399	594	20	51	10	25	8,235	2,510
216	216	DRLDBAJ-12-AA-216-BB		18	1.00	25.4	405	602	20	51	10	25	6,102	1,860
288	288	DRLDBAJ-12-AA-288-BB		24	1.11	28.1	492	732	22	56	11	28	6,102	1,860

* Where AA equals glass type and BB equals attenuation

** Where XX equals glass type

Installation

Maximum installation load: 600 lbf (2700 N)
Maximum operation load: 180 lbf (800 N)

Temperature Range

Shipping and Storage: Riser -58° F to +158° F (-50° C to +70° C)
Plenum -40° F to +158° F (-40° C to +70° C)

Installation: Riser +14° F to +140° F (-10° C to +60° C)
Plenum +32° F to +140° F (0° C to +60° C)

Operation: Riser -58° F to +158° F (-50° C to +70° C)
Plenum -40° F to +158° F (-40° C to +70° C)

Note. Cable damage may occur if installation temperature limits are exceeded; therefore, Prysmian Group recommends storing I/O cables in appropriate temperature conditions ≥ 24 hours prior to placement.

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CampusLink LTTM I/O PLENUM Dielectric Single Jacket (1J - Dry) DPLDB series | OFNP / FT6

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
		Prysmian*	General Cable**		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DPLDB-12-AA-006-BB	XX0064M1D-DT	5	0.37	9.5	58	86	7	19	4	10	41,010	12,500
	12	DPLDB-12-AA-012-BB	XX0124M1D-DT											
	24	DPLDB-12-AA-024-BB	XX0244M1D-DT											
	36	DPLDB-12-AA-036-BB	XX0364M1D-DT											
	48	DPLDB-12-AA-048-BB	XX0484M1D-DT											
72	72	DPLDB-12-AA-072-BB	XX0724M1D-DT	6	0.41	10.4	69	103	8	21	4	10	41,010	12,500
96	96	DPLDB-12-AA-096-BB	XX0964H1D-DT	8	0.49	12.5	101	150	10	25	5	13	41,010	12,500
144	144	DPLDB-12-AA-144-BB	XX1444H1D-DT	12	0.62	15.8	142	211	12	32	6	16	41,010	12,500

CampusLink LTTM I/O PLENUM Aluminum Interlocking Armor with Black Inner Jacket & Colored Outer Jacket (1A1 2J - Dry) DPLDBAJ series | OFCP / FT6

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
		Prysmian*	General Cable**		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DPLDBAJ-12-AA-006-BB		5	0.65	16.4	147	219	13	33	6	16	16,345	4,982
	12	DPLDBAJ-12-AA-012-BB												
	24	DPLDBAJ-12-AA-048-BB												
	36	DPLDBAJ-12-AA-036-BB												
	48	DPLDBAJ-12-AA-048-BB												
72	72	DPLDBAJ-12-AA-072-BB		6	0.68	17.3	166	247	14	35	7	17	15,801	4,816
96	96	DPLDBAJ-12-AA-096-BB		8	0.76	19.3	214	319	15	39	8	19	10,827	3,300
144	144	DPLDBAJ-12-AA-144-BB		12	0.89	22.7	320	476	18	45	9	23	8,612	2,625

* Where AA equals glass type and BB equals attenuation

** Where XX equals glass type

Installation

Maximum installation load: 600 lbf (2700 N)

Maximum operation load: 180 lbf (800 N)

Temperature Range

Shipping and Storage: Riser -58° F to +158° F (-50° C to +70° C)
Plenum -40° F to +158° F (-40° C to +70° C)

Installation: Riser +14° F to +140° F (-10° C to +60° C)
Plenum +32° F to +140° F (0° C to +60° C)

Operation: Riser -58° F to +158° F (-50° C to +70° C)
Plenum -40° F to +158° F (-40° C to +70° C)

Note. Cable damage may occur if installation temperature limits are exceeded; therefore, Prysmian Group recommends storing I/O cables in appropriate temperature conditions ≥ 24 hours prior to placement.

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Ordering Guide

The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described below

Example: CampusLink LT™ loose tube | indoor-outdoor riser | dry buffer tubes | dielectric (single jacket) with aluminum interlock armor | 12 -62.5/125 multimode fibers per buffer tube | 48 fibers total (printed in feet)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	DRLDB	AJ	12	G6	048	M2

PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
Riser / FT4 Dry Tubes OFNR / FT4	
DRLDB = Indoor-Outdoor Riser All-Dielectric (single jacket) 2 to 288	
DRLDC = Indoor-Outdoor Riser, All-Dielectric (double jacket) 2 to 144	
DRLDD = Indoor-Outdoor Riser, Armored (double jacket) 2 to 144	
Plenum / FT6 Dry Tubes OFNP / FT6	
DPLDB = Indoor-Outdoor Plenum, All-Dielectric (single jacket) 2 to 144	
3	CONSTRUCTION
(Blank) = None	
AJ = Jacketed aluminum (use with DRLDB and DPLDB)	
SJ = Jacketed steel (use with DRLDB and DPLDB)	
4	FIBER GROUPING
12 = 12f per tube	

FIBER INFORMATION				
5	FIBER TYPE			
SINGLE-MODE				
HB = Single-Mode (ITU G.652 C & D) Low Water Peak				
ES = Enhanced Single-Mode (ITU G.652 C & D)				
CE = Corning™ SMF28e+ Single-Mode				
B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)				
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)				
MULTIMODE				
	Wavelength (nm)	Bandwidth (MHz)	1 GbE Dist (m)	10 GbE Dist (m)
G6 = OM1 (62.5µm)	850/1300	200/500	300/550	33/___
G5 = OM2+ BIF (50µm)	850/1300	700/500	800	150/___
G3 = OM3 BIF (50µm)	850/1300	1500/500	1000	300/___
G4 = OM4 BIF (50µm)	850/1300	3500/500	1100	550/___
6	FIBER COUNT			
002 to 288 fibers				
7	FIBER GRADE			
SINGLE-MODE				
Attenuation (dB/km)	Wavelength (nm)	Fiber Type		
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, ES, or CE		
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, CE, B1, or B2		
MULTIMODE				
Attenuation (dB/km)	Wavelength (nm)			
M2 = 3.5/1.0	850/1300			
M3 = 3.0/1.0	850/1300			

Other cable constructions and fiber performance grades available on request.

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