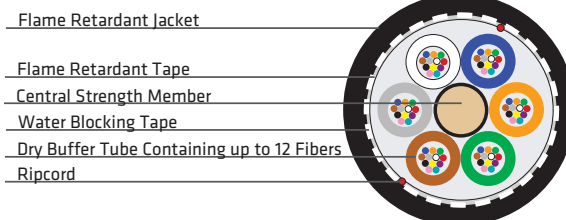




CampusLink LT™ Dry Loose Tube | Indoor/Outdoor

Indoor-outdoor riser and plenum cables



Versatile indoor-outdoor flame rated fiber cables - ideal for interbuilding and building transition applications

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.

Product Snapshot

Applications	Multi-purpose indoor/outdoor aerial, lashed, duct, and 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) / 2-144 (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 OM4/10 gigabit ethernet systems



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CampusLink LT™ I/O Riser Dielectric (Single Jacket - Dry) DRLDB Series | OFNR / FT4

Fiber Count	# Buffer Tubes Outer/Inner Layer	Fibers per Unit or # of Units	Diameter Inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load Inches (cm)	Bend Radius No Load Inches (cm)
2 to 60	5	12	0.40 (10.1)	63 (93)	8.0 (20.2)	4.0 (10.1)
62 to 72	6	12	0.43 (10.8)	69 (102)	8.6 (21.7)	4.3 (10.9)
74 to 84	7	12	0.47 (12.0)	85 (126)	9.5 (24.0)	4.8 (12.0)
86 to 96	8	12	0.50 (12.8)	96 (143)	10.1 (25.6)	5.1 (12.8)
98 to 108	9	12	0.55 (13.9)	114 (169)	11.0 (27.8)	5.5 (13.9)
110 to 120	10	12	0.57 (14.5)	123 (183)	11.4 (29.0)	5.7 (14.5)
122 to 132	11	12	0.60 (15.4)	139 (207)	12.1 (30.8)	6.1 (15.4)
134 to 144	12	12	0.64 (16.3)	158 (234)	12.9 (32.7)	6.5 (16.4)
146 to 216	12 / 6	12	0.67 (17.0)	153 (228)	13.5 (34.1)	6.8 (17.1)
218 to 264	14 / 8	12	0.73 (18.6)	184 (273)	14.7 (37.3)	7.4 (18.7)
266 to 288	15 / 9	12	0.78 (19.7)	205 (305)	15.6 (39.5)	7.8 (19.8)

Note: the compression rating for counts of 60 and below is 100N/cm.

CampusLink LT™ I/O Riser Dielectric (Double Jacket - Dry) DRLDC Series | OFNR / FT4

Fiber Count	# Buffer Tubes Outer/Inner Layer	Fibers per Unit or # of Units	Diameter Inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load Inches (cm)	Bend Radius No Load Inches (cm)
2 to 60	5	12	0.52 (13.2)	114 (169)	10.4 (26.4)	5.2 (13.2)
62 to 72	6	12	0.55 (13.9)	123 (183)	11.0 (27.9)	5.5 (14.0)
74 to 84	7	12	0.59 (15.1)	144 (214)	11.9 (30.2)	6.0 (15.1)
86 to 96	8	12	0.63 (15.9)	159 (237)	12.6 (31.8)	6.3 (15.9)
98 to 108	9	12	0.67 (17.0)	181 (270)	13.4 (34.0)	6.7 (17.0)
110 to 120	10	12	0.69 (17.6)	194 (288)	13.9 (35.2)	7.0 (17.6)
122 to 132	11	12	0.73 (18.5)	214 (318)	14.6 (37.0)	7.3 (18.5)
134 to 144	12	12	0.76 (19.4)	237 (352)	15.3 (38.9)	7.7 (19.5)

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

CampusLink LT™ Dry Loose Tube | Indoor/Outdoor

Indoor-outdoor riser and plenum cables

CampusLink LT™ I/O Riser with Corrugated Armor (1A 2) - Dry) DRLDD Series | OFCR / FT4

Fiber Count	# Buffer Tubes Outer/Inner Layer	Fibers per Unit or # of Units	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	12	0.63 (16.0)	190 (283)	12.6 (32.0)	6.3 (16.0)
62 to 72	6	12	0.66 (16.8)	204 (304)	13.2 (33.6)	6.6 (16.8)
74 to 84	7	12	0.71 (18.0)	231 (344)	14.2 (36.1)	7.1 (18.1)
86 to 96	8	12	0.74 (18.8)	250 (372)	14.8 (37.6)	7.4 (18.8)
98 to 108	9	12	0.78 (19.8)	278 (413)	15.6 (40.0)	7.8 (19.9)
110 to 120	10	12	0.80 (20.3)	294 (438)	16.0 (40.7)	8.0 (20.4)
122 to 132	11	12	0.84 (21.3)	320 (476)	16.8 (42.7)	8.4 (21.4)
134 to 144	12	12	0.88 (22.4)	347 (517)	17.6 (44.7)	8.8 (22.4)

CampusLink LT™ I/O Plenum Dielectric (Single Jacket) DPLDB Series | OFNP/FT6

Fiber Count	# Buffer Tubes Outer/Inner Layer	Fibers per Unit or # of Units	Diameter Inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load Inches (cm)	Bend Radius No Load Inches (cm)
2 to 60	5	12	0.37 (9.3)	55 (82)	7.4 (18.8)	3.7 (9.4)
62 to 72	6	12	0.40 (10.2)	67 (99)	8.0 (20.4)	4.0 (10.2)
74 to 84	7	12	0.44 (11.1)	80 (119)	8.8 (22.4)	4.4 (11.2)
86 to 96	8	12	0.48 (12.2)	97 (145)	9.6 (24.4)	4.8 (12.2)
98 to 144	12 / 6	12	0.61 (15.6)	138 (206)	12.2 (31.0)	6.1 (15.5)

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)

Riser & Plenum Mechanical Specifications

Maximum installation load: 600 lbf (2670 N)
 Maximum operation load: 180 lbf (801 N)

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.

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
Riser / FT4 Dry Tubes OFCR / FT4
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 unit or 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, B1, B2 or CE		
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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