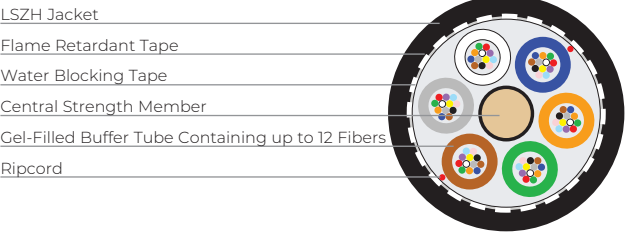
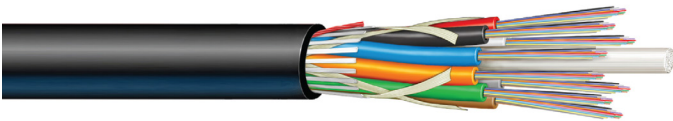


# ezLink™

## Chemical Resistant Harsh Environment

Chemical Resistant and Tray Cables



### OVERVIEW

Prysmian's ezLINK™ harsh environment chemical resistant cable can deploy up to 216 optical fibers in a variety of challenging environments, such as airport runways and tarmacs, where jet fuel and de-icing fluid is prevalent. When compared to FAA specifications requiring PVDF, the CPE jacket provides equivalent chemical and oil resistance at a better value.

### SPECIFICATIONS / RATINGS

**Applications** Rugged indoor/outdoor cable providing protection from harsh chemicals and solvents. Appropriate for industrial facilities, airstrips, and other specialty applications.

**Constructions** Dielectric (single jacket)

**Flame Ratings** General purpose OFN / OFC

**Fiber Count** 2 to 216

**Fiber Types** Single-mode (ESMF, bend-insensitive multimode (62.5/125-OM1, 50/125-OM2+, OM3 & OM4)

**Standards** ANSI/ICEA S-104-696, UL-1685 Tray Rating, UL-2556 4.2.8.3 "Oil Resistance" PR11, UL-2556 4.2.8.4 "Gasoline Resistance" GR11, Telcordia GR-20, CE RoHS Compliant

**Registered Supplier** ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



### FEATURES AND BENEFITS

- Proven stranded loose tube cable design for long term reliability
- Flame-retardant, chemical resistant, black UV-resistant outer jacket
- Resistant to jet fuel and de-icing chemicals for airport applications
- Hydrocarbon (Petrochemicals such as kerosene, gasoline, lubricating oil) resistant
- Suitable for Tray installations per NFPA 70
- Cable core utilizing dry water block technology to improve handle ability
- Available with bend-insensitive single-mode and multimode optical fibers
- Gel-filled buffer tubes provide protection from harsh chemicals and fluids

### Chemical Resistance Performance

Compound	Test Criteria
ASTM No. 2 Oil	96 hours at 100°C
Kerosene	168 hours at 50°C
MIL-T-5624N JP-4 (jet fuel)	168 hours at 50°C
MIL-H-5606 Hydraulic Fluid	168 hours at 50°C
Vegetation Killer	168 hours at 50°C
De-Icing Fluid	24 hours at 50°C
Hydrogen Sulfide (H2S)	24 hours at 100°C



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### ezLink™ Indoor/Outdoor Chemical Resistant (Single Jacket) | DXPCB Series | OFN

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*		Inches	mm	lb/ft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DXPCB-12-AA-006-BB	5	0.41	10.3	62	93	8	21	4	10	41,010	12,500
	12	DXPCB-12-AA-012-BB											
	24	DXPCB-12-AA-024-BB											
	36	DXPCB-12-AA-036-BB											
	48	DXPCB-12-AA-048-BB											
72	72	DXPCB-12-AA-072-BB	6	0.44	11.2	73	109	9	22	4	11	41,010	12,500
96	96	DXPCB-12-AA-096-BB	8	0.51	12.9	95	142	10	26	5	13	41,010	12,500
120	120	DXPCB-12-AA-120-BB	10	0.58	14.8	125	186	12	30	6	15	41,010	12,500
144	144	DXPCB-12-AA-144-BB	18	0.65	16.5	154	229	13	33	6	17	41,010	12,500
216	216	DXPCB-12-AA-216-BB	18	0.65	16.5	154	229	13	33	6	17	33,465	10,200

\* Where AA equals glass type and BB equals attenuation

#### Installation

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

#### Temperature Range

Shipping and Storage: -40° F to +176° F (-40° C to +80° C)  
Installation: -14° F to +140° F (-10° C to +60° C)  
Operation: -40° F to +176° F (-40° C to +80° 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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## Chemical Resistant Harsh Environment

Chemical Resistant and Tray Cables



### Ordering Guide

The Prysmian 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:** ezLINK™ Indoor/Outdoor LT cable with Chemical Resistant/Tray, Dielectric (Single Jacket), and 48 multimode 62.5/125 Fibers (Printed in feet)

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

#### PART NUMBER CONSTRUCTION

##### 1 LENGTH MARKINGS

F = Feet or M = Meters

##### 2 PRODUCT FAMILY

Riser / FT4 | Dry Tubes | OFNR / FT4

DXPCB = I/O Chemical Resistant Tray All-dielectric (single jacket) LT | OFN

##### 3 CONSTRUCTION

(Blank) = None

##### 4 FIBER GROUPING

12 = 12f per tube

#### FIBER INFORMATION

##### 5 FIBER TYPE

###### SINGLE-MODE

ES = Enhanced Single-Mode (ITU G.652 C & D)

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 216 fibers

##### 7 FIBER GRADE

###### SINGLE-MODE

Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E1 = 0.40/0.40/0.30	1310/1383/1550	ES, B1, or B2

###### MULTIMODE

Attenuation (dB/km)	Wavelength (nm)	Fiber Type
M2 = 3.5/1.0	850/1300	OM1 (62.5µm)
M3 = 3.0/1.0	850/1300	OM2+, OM3, OM4 (50µm)

Other cable constructions and fiber performance grades available on request.



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