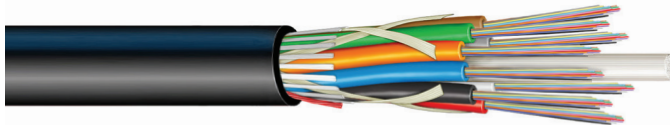




ezLINK - Chemical Resistant | Harsh Environment

Chemical resistant and tray cables



Rugged process control cable for harsh operating environments. Designed for resistance to chemicals and solvents and meets flame retardant requirements for horizontal applications.

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.

Product Snapshot

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



ezLINK - Chemical Resistant | Harsh Environment

Chemical resistant and tray cables

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

Fiber Count	# of Buffer Tubes Outer/Inner	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	0.41 (10.3)	62 (93)	8.2 (20.9)	4.1 (10.5)
62 to 72	6	12	0.44 (11.2)	73 (109)	8.8 (22.4)	4.4 (11.2)
74 to 84	7	12	0.47 (11.9)	83 (123)	9.4 (23.9)	4.7 (12.0)
86 to 96	8	12	0.51 (12.9)	95 (142)	10.2 (25.9)	5.1 (13.0)
98 to 108	9	12	0.55 (13.9)	111 (165)	11.0 (28.0)	5.5 (14.0)
110 to 120	10	12	0.58 (14.8)	125 (186)	11.6 (29.5)	5.8 (14.8)
122 to 132	11	12	0.62 (15.7)	140 (209)	12.4 (31.5)	6.2 (15.8)
134 to 216	12 / 6	12	0.65 (16.5)	154 (229)	13.0 (33.0)	6.5 (16.6)

Mechanical Specifications

Maximum installation load:	600 lbf (2670 N)
	1000 lbf (4450 N)-DXPCC Only
Maximum operation load:	180 lbf (801 N)
	300 lbf (1330 N)-DXPCC Only

Temperature Range

Shipping & 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.

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 in the example.

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

CABLE INFORMATION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	Chemical Resistant / Tray I/O Harsh Environment Chemical Resist Tray Loose Tube (2 to 216) DXPCB = I/O Chemical Resistant Tray All-dielectric (single jacket) LT OFN
3 CONSTRUCTION	(blank) = none
4 FIBER GROUPING	12 = 12f per unit or tube

FIBER INFORMATION																										
5 FIBER TYPE	<p>SINGLE-MODE</p> <p>ES = Enhanced Single-Mode (ITU G.652 C & D)</p> <p>B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)</p> <p>B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & B2 & G.652.D)</p>																									
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