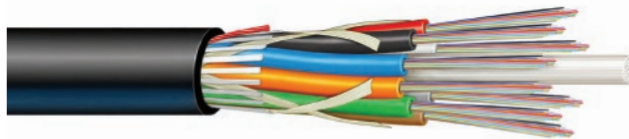


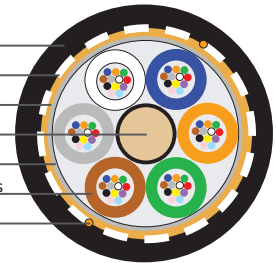


## FirstLink™ Dry Loose Tube | Indoor-Outdoor

Indoor-Outdoor Plenum Cables



- Flame Retardant Jacket
- Outer Strength Members
- Flame Retardant Tape
- Central Strength Member
- Water Blocking Tape
- Gel-Free Buffer Tube Containing up to 12 Fibers
- Ripcord



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

### Overview

Prysmian's indoor-outdoor gel-free loose tube plenum designs provide flame-rated network solutions for a diverse number of network applications. These cables combine flexible gel-free 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

<b>Applications</b>	Multi-purpose indoor-outdoor aerial lashed, duct and direct buried
<b>Constructions</b>	Dielectric, single jacket
<b>Flame Ratings</b>	Plenum (OFNP/OFCP/FT6)
<b>Fiber Count</b>	2-60 (Plenum)
<b>Fiber Types</b>	Single-mode (ESMF)
<b>Standards</b>	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, RoHS Compliant

### Features and Benefits

- Fiber identification using TIA standardized color coding
- Gel-Free 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

**RoHS  
COMPLIANT**

**Prysmian Group**  
700 Industrial Drive | Lexington, SC 29072  
+1-800-879-9862 | +1-800-669-0808 | website: [na.prysmiangroup.com/telecom](http://na.prysmiangroup.com/telecom)

## FirstLink™ Dry Loose Tube | Indoor-Outdoor

Indoor-Outdoor Plenum Cables

### FirstLink™ I/O Plenum Dielectric (Single Jacket - Dry) DPLTK Series

Fiber Count		2-60
Buffer Tube Count		5
Max. Fibers/Tube	(mm)	12
Buffer Tube OD	(mm)	2.70
	(inches)	0.106
Cable OD	(mm)	10.1
	(inches)	0.398
Cable Weight	(kg/km)	100
	(lb/kft)	67.2
Max. Length	(kg/km)	12,800
	(lb/kft)	41,984

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

### Temperature Range

Shipping and Storage: -40° F to +158° F (-40° C to +70° C)  
 Installation: +32° F to +140° F (0° C to +60° C)  
 Operation: -40° F to +158° F (-40° C to +70° C)

### Mechanical Specifications

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

PERFORMANCE SPECIFICATIONS		
<b>Bend Radius</b>		
Dynamic	20 x Cable OD	
Static	10 x Cable OD	
<b>Tensile Rating</b>	<b>N</b>	<b>lbf</b>
Installation	2700	600
Residual	800	180
<b>Crush Resistance</b>	<b>N/cm</b>	<b>lbf/in</b>
Short/ Long Term	220/110	125/63
<b>Temperature Ratings</b>	<b>°C</b>	<b>°F</b>
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167

## FirstLink™ Dry Loose Tube | Indoor-Outdoor

Indoor-Outdoor Plenum Cables

**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:** FirstLink™ loose tube | indoor-outdoor plenum | Dry buffer tubes | dielectric (single jacket) with singlemode fibers.



PART NUMBER CONSTRUCTION	
<b>1</b> LENGTH MARKINGS	F = Feet or M = Meters
<b>2</b> PRODUCT FAMILY	DPLDK = Indoor-Outdoor Dry Plenum, All-Dielectric (single jacket)
<b>3</b> CONSTRUCTION	(blank) = none AJ = Jacketed aluminum SJ = Jacketed steel
<b>4</b> FIBER GROUPING	12 = 12f per unit or tube

FIBER INFORMATION		
<b>5</b> 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	
<b>6</b> FIBER COUNT	002 up to 060 fibers	
<b>7</b> 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, or CE
	Other cable constructions and fiber performance grades available on request.	

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