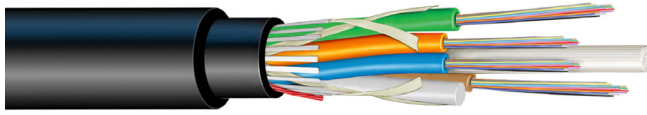
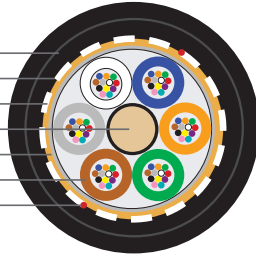


# ezLink™ Loose Tube FAA Cable

All-Dielectric, Double Jacket and Chemical Resistant



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



## OVERVIEW

Prysmian's ezLINK™ Outdoor Loose Tube FAA Cable designs provide a robust network solution for on-airfield applications. These FAA cables address longevity in environments which expose components to chemicals such as jet fuel and de-icing fluids; and, marries Prysmian's proven loose tube construction with upgraded design elements to create a rugged cable for Specialty applications. These cables utilize flexible gel-filled buffer tubes with Prysmian's extensive portfolio of singlemode and multimode optical fibers to meet the performance needs for non-traditional installations.

## SPECIFICATIONS / RATINGS

**Applications** Rugged outdoor cable providing unsurpassed performance for applications involving placement in airports, FAA applications and cable trays

**Constructions** Dielectric (dual jacket)

**Fiber Count** 2 to 60

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

**Standards** US Dept of Transportation FAA specification, ICEA S-87-640 CE RoHS Compliant

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

## FEATURES AND BENEFITS

- Compliant "Type B" as defined by FAA specification, FAA-E-2761c
- Chemically resistant to hydrocarbons and jet fuels
- Chemically resistant to de-icing solutions
- Flexible kink-resistant buffer tubes for routing and storage
- Available with bend-insensitive single-mode and multimode optical fibers
- Fiber identification using TIA standardized colorcoding
- Chemical resistant outer jacket for long term reliability



## Prysmian

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TLS-DS-D-202-1224

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## ezLink™ Loose Tube Federal Aviation Administration (FAA) Cable (2J - GEL)

Fiber Count Range	Recommended Fiber Count	Recommended Part Number Prysmian*	# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius   Load		Bend Radius   No Load		Max. Reel Length	
				Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 60	6	FAACF-12-AA-006-BB	5	0.42	10.8	75	112	8.5	21.5	4.2	10.8	41,010	12,500
	12	FAACF-12-AA-012-BB											
	24	FAACF-12-AA-024-BB											
	36	FAACF-12-AA-036-BB											
	48	FAACF-12-AA-048-BB											
60	FAACF-12-AA-60-BB												
72	72	FAACF-12-AA-72-BB	6	0.55	11.6	85	127	9.1	23.1	4.5	11.6	41,010	12,500
96	96	FAACF-12-AA-96-BB	8	0.63	12.9	105	157	10.1	25.7	5.1	12.9	41,010	12,500
144	144	FAACF-12-AA-144-BB	12	0.77	16.4	161	240	12.9	32.7	6.4	16.4	41,010	12,500

## ezLink™ Loose Tube Federal Aviation Administration (FAA) Cable (2J - DRY)

Fiber Count Range	Recommended Fiber Count	Recommended Part Number Prysmian*	# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius   Load		Bend Radius   No Load		Max. Reel Length	
				Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 60	6	FAACD-12-AA-006-BB	5	0.42	10.8	72	107	8.5	21.5	4.2	10.8	41,010	12,500
	12	FAACD-12-AA-012-BB											
	24	FAACD-12-AA-024-BB											
	36	FAACD-12-AA-036-BB											
	48	FAACD-12-AA-048-BB											
60	FAACD-12-AA-060-BB												
72	72	FAACD-12-AA-072-BB	6	0.55	11.6	80	119	9.1	23.1	4.5	11.6	41,010	12,500
96	96	FAACD-12-AA-096-BB	8	0.63	12.9	99	147	10.1	25.7	5.1	12.9	41,010	12,500
144	144	FAACD-12-AA-144-BB	12	0.77	16.4	151	224	12.9	32.7	6.4	16.4	41,010	12,500

\* Where AA equals glass type and BB equals attenuation

### Installation

Maximum installation load: 600 lbf (2670 N)  
Maximum operation load: 180 lbf (800 N)

### Temperature Range

Shipping and Storage: -40° F to +158° F (-40° C to +70° C)  
Installation: -22° F to +140° F (-30° C to +60° C)  
Operation: -40° F to +158° F (-40° C to +70° C)



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## 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™ loose tube | outdoor FAA cable | dielectric (double Jacket) | 12 single-mode fibers per buffer tube | 24 fibers total (printed in feet)

<b>1</b> LENGTH MARKINGS	<b>2</b> PRODUCT FAMILY	<b>3</b> CONSTRUCTION	<b>4</b> FIBER GROUPING	<b>5</b> FIBER TYPE	<b>6</b> FIBER COUNT	<b>7</b> FIBER GRADE
F	FAACF	BLANK	12	ES	024	E1

PART NUMBER CONSTRUCTION	
<b>1</b> LENGTH MARKINGS	F = Feet or M = Meters
<b>2</b> PRODUCT FAMILY	FAACF = Outdoor FAA All-Dielectric Cable *FAACD = Outdoor Gel-Free FAA All-Dielectric Cable
<b>3</b> CONSTRUCTION	(Blank) = Non Applicable with Interlock Armor
<b>4</b> FIBER GROUPING	12 = 12f per unit or tube

\* Gel-free outside loose tube cable with PVDF jacket is not formally specified in FAA-E-2761c

FIBER INFORMATION					
<b>5 FIBER TYPE</b>					
<b>SINGLE-MODE</b>					
HB = Single-Mode (ITU G.652 C & D) Low Water Peak					
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)					
<b>MULTIMODE</b>					
	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/___	
<b>6 FIBER COUNT</b>					
002 to 060 fibers					
<b>7 FIBER GRADE</b>					
<b>SINGLE-MODE</b>					
Attenuation (dB/km)	Wavelength (nm)	Fiber Type			
E1 = 0.40/0.40/0.30	1310/1383/1550	HB or ES			
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, B1, or B2			
<b>MULTIMODE</b>					
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.

