



ezDrop™ Flat

Dielectric & Toneable Flat Drop Cable



Flat out the easiest fiber drop cable to handle, access and terminate.

Overview

Prysmian's ezDROP Flat cable provides easy FTTx (Fiber-To-The-x) installation and termination using existing hardware and methods for drops to homes and businesses. Its flat profile is compatible with economical wedge clamps for self-support aerial spans up to 300 feet, depending on environmental loading.

An all-dielectric version eliminates the need for bonding and grounding. A toneable version adds a 24 AWG conductor that provides underground location capability, attached by a web for easy tear-away separation from the cable – the most popular option for underground and multi-purpose installation.

Portable boxes and spools simplify widespread deployment, and preconnectorized ezDROP cables enable plug & play connectivity for quick subscriber additions. Prysmian's exclusive BendBright fiber provides craft-friendly bend tolerance over the entire single-mode wavelength spectrum.

Product Snapshot

Applications	Multi-purpose FTTx - Aerial Self-Support, Direct Buried, Duct
Constructions	Flat profile (Dielectric, Toneable)
Fiber Count	1 to 12 fibers
Fiber Types	BendBright® Single-mode Fiber standard
Options	Packaging: Portable Box / Spool / Bulk Reel
Performance	ICEA 717, IEC, RUS 7 CFR 1755 (RUS LISTED), Telecordia GR20 (drop cable requirements)

RUS LISTED

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

Features and Benefits

Easy Cable Entry and Preparation

- Flat profile utilizes economical wedge clamps
- Compatible with existing installation hardware and methods
- Ripcord speeds cable entry and jacket removal
- Toning wire enables underground location (toneable option)

Flexible Routing and Termination

- Flexible buffer tube simplifies routing & splicing
- Standard BendBright bend-tolerant single-mode

Multi-purpose Installation and Use

- Suitable for aerial lashed, duct, and direct buried installation
- Portable box & spool packaging

Reliable Lifetime Performance

- Guaranteed standards-based performance
- Exclusive ColorLock fiber coating (single-mode) for permanent embedded color and long-term lifetime performance
- Proven water-blocking with swellable core elements and gel-filled buffer tubes

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Dielectric (DFS1|KT)

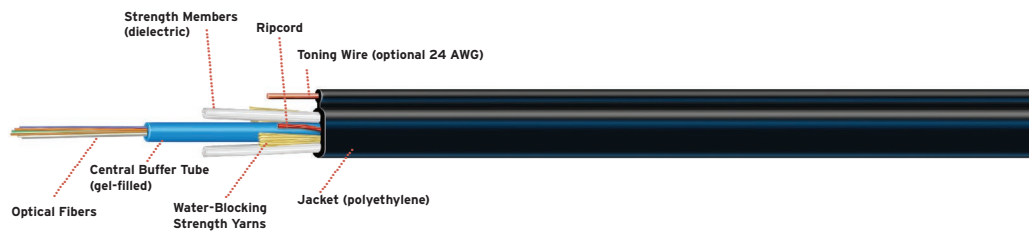
Fiber Count	Buffer Tube Inches (mm)	Width Inches (mm)	Height inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)	Maximum span with NESC Loading Conditions @ 1% Sag		
							Heavy ft (m)	Medium ft (m)	Light ft (m)
1 - 6	0.075 (1.9)	0.31 (8.0)	0.15 (3.9)	22 (33)	4.6 (12)	3.1 (8)	150 (46)	210 (64)	305 (93)
7 - 12	0.118 (3.0)	0.41 (10.4)	0.20 (5.0)	34 (51)	6.0 (15)	4.0 (10)	150 (46)	210 (64)	305 (93)

Toneable (DFTNAT)

Fiber Count	Buffer Tube Inches (mm)	Width Inches (mm)	Height inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)	Maximum span with NESC Loading Conditions @ 1% Sag		
							Heavy ft (m)	Medium ft (m)	Light ft (m)
1 - 6	0.075 (1.9)	0.42 (10.7)	0.15 (3.9)	25 (37)	4.6 (12)	3.1 (8)	140 (43)	205 (62)	285 (87)
7 - 12	0.118 (3.0)	0.51 (13.0)	0.20 (5.0)	38 (56)	6.0 (15)	4.0 (10)	140 (43)	205 (62)	285 (87)

Package Options

Fiber Count	Package	Dimensions H x W x D Inches (cm)	Dielectric		Toneable	
			Capacity ft (m)	Ship Weight lbs (kg)	Capacity ft (m)	Ship Weight lbs (kg)
1 - 6	Drop Box	15.5 x 13 x 15.5 (39 x 33 x 39)	1320 (400)	36 (16.3)	1000 (304)	32 (14.5)
1 - 6	18" Plywood Reel	18 x 15 x 8 (46 x 38 x 20)	3000 (900)	70 (32)	2500 (760)	69 (31)
1 - 6	30" Plywood Reel	30 x 18 x 12 (76 x 46 x 30)	11500 (3500)	294 (134)	11500 (3500)	329 (149)
7 - 12	18" Plywood Reel	18 x 15 x 8 (46 x 38 x 20)	1800 (550)	67 (30)	1700 (520)	75 (34)
7 - 12	30" Plywood Reel	30 x 18 x 12 (76 x 46 x 30)	8000 (2440)	313 (142)	6400 (1950)	284 (130)



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Installation

Installation in aerial applications: Sag to be 1%

Installation in duct applications

	1-6f		7-12f	
Maximum short term pulling load:	300 lbf	(1335 N)	600 lbf	(2670 N)

Temperature Range

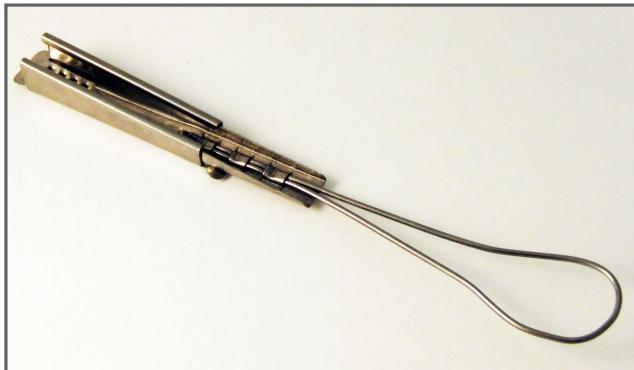
Shipping and Storage: -40° F to +167° F (-40° C to +75° C)

Installation: -22° F to +140° F (-30° C to +60° C)

Operation: -40° F to +158° F (-40° C to +70° C)

Mounting Hardware - Clamp

Manufacturer	Catalog Number	Clamp Description	Drop Cable Compatibility
Belden	23-88881	2 Pair Stainless Steel Drop Wire Clamp	1 to 6 fibers
Belden	23-96651	6 Pair Stainless Steel Drop Wire Clamp	1 to 12 fibers



Hardware available at:

Power & Telephone Supply Company
800-238-7514

Graybar
800-472-9227

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: ezDROP Flat Toneable Single Jacket (12 Fibers/Tube) with 2 BendBright Single-mode Fibers (printed in feet)



PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	DFS = ezDROP Flat Dielectric DFT = ezDROP Flat Toneable
3 CONSTRUCTION	1JKT = Single Jacket NATJ = Non-Armor, Toneable Jacket 1JKTB = Single Jacket - Drop Box NATJB = Non-Armor, Toneable Jacket - Drop Box
4 FIBER GROUPING	6 = 6f per unit or tube 12 = 12f per unit or tube

FIBER INFORMATION																
5 FIBER TYPE	SINGLE-MODE BB = Enhanced Single-Mode (ITU G.652 C & D) BB = BendBright Single-Mode (ITU G.657.A1 & G.652.D) BX = BendBrightXS Single-Mode (ITU G.657.A2 & B2 & G.652.D)															
6 FIBER COUNT	001 to 012 fibers															
7 FIBER GRADE	SINGLE-MODE <table border="1"> <thead> <tr> <th>Attenuation (dB/km)</th> <th>Wavelength (nm)</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>E1 = 0.40/0.40/0.30</td> <td>1310/1383/1550</td> <td>Enhanced Single-Mode</td> </tr> <tr> <td>E3 = 0.35/0.35/0.25</td> <td>1310/1383/1550</td> <td>Enhanced Single-Mode</td> </tr> <tr> <td>E3 = 0.35/0.35/0.25</td> <td>1310/1383/1550</td> <td>BendBright Single-Mode</td> </tr> <tr> <td>E3 = 0.35/0.35/0.25</td> <td>1310/1383/1550</td> <td>BendBrightXS Single-Mode</td> </tr> </tbody> </table>	Attenuation (dB/km)	Wavelength (nm)	Grade	E1 = 0.40/0.40/0.30	1310/1383/1550	Enhanced Single-Mode	E3 = 0.35/0.35/0.25	1310/1383/1550	Enhanced Single-Mode	E3 = 0.35/0.35/0.25	1310/1383/1550	BendBright Single-Mode	E3 = 0.35/0.35/0.25	1310/1383/1550	BendBrightXS Single-Mode
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Other cable constructions and fiber performance grades available on request.																

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