



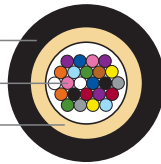
12 or 24f FlexDrop Cable

FlexRibbon in a Central Core Design

PVC Jacket

One or two 12 fiber FlexRibbons in a Dry Core

Aramid Tape & Water Swell Threads

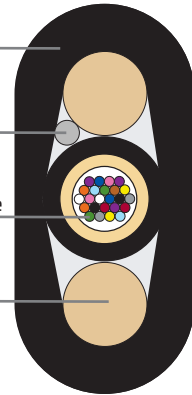


HDPE Outer Jacket

Water-Blocking Material

One or two 12 fiber FlexRibbons in a Dry Core

Strength Member



Highly compact, high performance cable.

Round Design - ideal for microduct applications.

Flat Design - ideal for aerial drop applications.

Overview

Prysmian's FlexDrop cable design is the ideal cable for Outdoor applications where a small diameter, highly flexible cable is needed, and mass fusion splicing is desired. The FlexDrop design contains up to two 12 fiber FlexRibbons in a central core design with an overall compact diameter.

Product Snapshot

Constructions	Dry Core, Dielectric, Central Core Design
Fiber Count	12 or 24 fibers in 12 fiber flexible ribbons
Fiber Types	250um Single-mode bend insensitive
Performance	Round Cable (RRD) - ICEA-744 Flat Drop Cable (RFD) - ICEA-717
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

Features and Benefits

Flexible Design & Use

- Very flexible
- Flexible ribbons for easy mass fusion splicing and routing
- Compact design for optimal microduct installation
- Streamlined central core design
- Totally dry
- Standard 250um fibers
- No bonding or grounding required

Reliable Lifetime Performance

- Proven water-blocking with water swell thread
- Guaranteed standards-based performance

ROUND DESIGN - Nominal Design Parameters

Fiber Count	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Installation inches (cm)	Bend Radius Long Term inches (cm)	Maximum Installation Load lbs (N)	Maximum Operation Load lbs (N)	Maximum Reel Length Feet (Meters)
12 or 24	0.12 (3.0)	5.3 (8)	2.4 (6)	1.2 (3)	25 (111)	8 (36)	32,800 (10,000)

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: -22° F to +158° F (-30° C to +70° C)

FLAT DESIGN - Nominal Design Parameters

PERFORMANCE SPECIFICATIONS			
Bend Radius	mm	inches	
Installation - Wheel/Capstan	150	5.9	
Long Term - Slack/Bend	100	3.9	
Tensile Rating	N	lbf	
Installation Load	1336	300	
Temperature Ratings	°C	°F	
Operation	-40 to +70	-40 to +158	
Installation	-30 to +60	-22 to +140	
Storage/Shipping	-40 to +70	-40 to +158	
Maximum Span Distance			
Installation SAG	NESC Heavy ft (m)	NESC Medium ft (m)	NESC Light ft (m)
1%	150 (45)	260 (79)	330 (100)
1.5%	160 (49)	280 (85)	370 (112)
3%	185 (56)	330 (100)	450 (137)

Dimensions and Weights

Buffer Tube OD	3.0 mm (0.12 in)
Cable Thickness	4.3 mm (0.17 in)
Cable Width	8.0 mm (0.32 in)
Cable Weight	34 kg/km (23 lbs/kft)
Max Cable Length	10,000 m (32,808 ft)

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



PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	RRD = Round FlexDrop FlexRibbon in Central Tube RFD = Flat FlexDrop FlexRibbon
3 CONSTRUCTION	1JKT = Single Jacket (12 to 24f)
4 FIBER GROUPING	12 = 12f per ribbon

FIBER INFORMATION		
5 FIBER TYPE	SINGLE-MODE	
	B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)	
6 FIBER COUNT	012 or 024 fibers	
7 FIBER GRADE	SINGLE-MODE	
	Attenuation (dB/km)	Wavelength (nm) Fiber Type
	E1 = 0.40/0.40/0.30	1310/1383/1550 E1

© DRAKA & PRYSMIAN - Brands of The Prysmian Group. 2021 All Right Reserved. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed correct at the time of issue. Prysmian Group reserves the right to amend any specifications without notice. These specifications are not contractually valid unless specifically authorized by Prysmian Group. Issued March 2021.