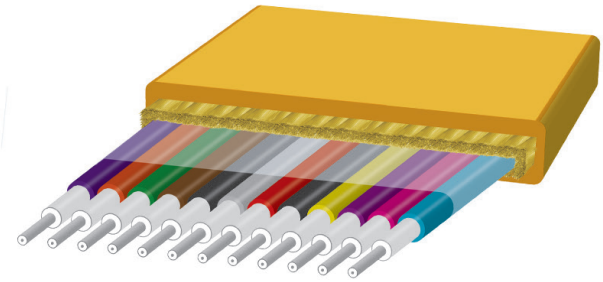
Prysmian Group

PRYSMIAN Draka

ezRIBBON™ | Interconnect

High density interconnect ribbon cable



A high density interconnect ribbon cable designed for applications involving tight bends, congested cable raceways, and MT/MPO style connectors. Perfect for data centers, multi-dwelling units & other space constrained applications.

Overview

Prysmian's ezRIBBON interconnect cable is the perfect indoor fiber cable for easy routing and patching in space constrained applications. Frequently used in data centers, multi-dwelling units and central offices, ezRIBBON combines a compact rectangular shape, a tight tolerance 12 fiber ribbon and the leading bend insensitive fiber into a single cable solution.

Product Snapshot

Applications	Multi-fiber interconnections. Frequently used for patching between equipment / panels in data centers, SAN, central offices, wall outlets, communication closets and head ends
Constructions	12 fibers in a ribbon (planar) arrangement, encased with aramid strength yarns and a flexible flame
Flame Ratings	Plenum (OFNP / FT6)
Fiber Count	12
Fiber Types	Single-mode / bend-insensitive single-mode / bend-Insensitive multimode fibers 50/125-OM2+, OM3 and OM4
Standards	ANSI / ICEA S-83-596, Telcordia GR-409 RoHS Compliant
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

Features and Benefits

Compact Cable Design

- 12 fiber ribbon in a flame retardant jacket
- Easily routed in restricted spaces and cable management raceway
- Rectangular design lays flat against wall surfaces

Compatible with Multi-fiber Connectors

- Designed for use with multi-fiber MT/MPO style connectors
- Suitable for use with fan-out kits

Flame-Retardant Safety

- NFPA-262/CSA
- OFNP / FT-6

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TLS-DS-C-601-0716

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Nominal Design Parameters

ezRIBBON | Plenum FRP Series **OFNP/FT-6 Rated**

Fiber Count	# of 12 Fiber Ribbons	Diameter inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)	Max Installation Load (Pull Strength) lbs (newtons)	Max Operation Load lbs (newtons)
12	1	.180 x .088 (4.6 x 2.2)	7.1 (10.6)	2 (8.5)	1 (2.5)	50 (220)	15 (66)

Temperature Range

Shipping and Storage:	-4° F to +176° F	(-20° C to +80° C)
Installation:	+32° F to +122° F	(0° C to +50° C)
Operation:	+32° F to +158° F	(0° C to +70° C)

Installation

Maximum installation load: 50 lbf (220 N)
Maximum operation load 15 lbf (66 N)

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: ezRIBBON | plenum flat Interconnect with 12 bend-insensitive single-mode 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	–	FRP	–	BLANK	–	12	–	B2	–	012	–	E1

CABLE INFORMATION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

ezRIBBON Plenum / OFNP / FT6

FRP = 12f ezRIBBON Plenum Flat Interconnect | TB

3 CONSTRUCTION

(blank) = none

4 FIBER GROUPING

12 = 12f per unit or tube

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

HB = 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)

MULTIMODE	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/___

6 FIBER COUNT

012 fibers

7 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E1 =0.40/0.40/0.30	1310/1383/1550	HB, B1, or B2

MULTIMODE 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.

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