



ezMICRODUCT™ with FlexRibbon Technology

Jetted microduct FlexRibbon cable

Optimized for jetted microduct installations

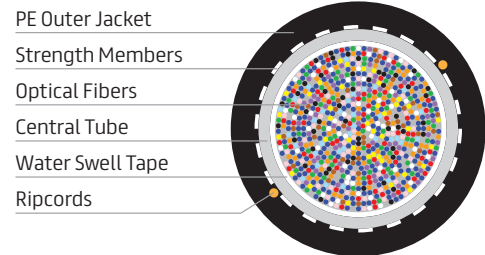
Overview

Prysmian's ezMICRODUCT cables provide optimized jetting performance for underground microduct installations or jetting directly over existing cable. Prysmian offers these microduct products for microducts starting at 13 mm or larger, inside diameter. This small diameter cable combines high reliability with reduced size and weight for optimal blowing performance.

With this approach, network operators can maximize duct utilization, defer capital expenditures to match revenue streams, maintain flexibility for future growth, and reduce installation and upgrade costs.

Product Snapshot

Applications	Jetted microduct deployment, installed in microducts or partially filled duct
Constructions	Central tube construction containing 16 twelve fiber flexible ribbons
Fiber Count	144-192 and 864
Fiber Types	144-192f Bend-insensitive 250um 12f Ribbon SMF 864f Bend-insensitive 200um 24f Ribbon SMF
Performance	ANSI/ICEA 744, IEC, RUS, GR-20
Registered Supplier	ISO 9001, ISO 14001, TL 9000 and OHSAS 18001



Features and Benefits

Optimal Jetting Performance

- Reduced size and weight for installation in microduct
- Optimized for jetted microduct installations

Reduced Total Installed Cost

- Reduce total Installed Cost
- Defer CAPEX by maximizing duct utilization
- Reduce installation and upgrade costs
- Minimize disruption to underground infrastructure
- Quick installation – long lengths and high speeds
- Allow use of ducts already containing cable

Fiber Count	Minimum Microduct ID (mm)	Optimum Microduct ID (mm)	Tube Size (mm)	Cable Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius with Load inches (cm)	Bend Radius No Load inches (cm)	Tensile Load Maximum / Operating (lbf)
144-192	13	14	7.9	0.41 (10.5)	51 (76)	8 (21)	6 (16)	300/90
864*	16	18	10.9	0.52 (13.1)	96 (142)	14 (33)	11 (26)	300/90

* Exception: 5m water penetration

Fiber Count	Temperature Range		Compression N/cm per ICEA640, GR20	Impact Energy Nm (FOTP25)	Fibers per Ribbon	Fiber Diameter (µm)
	Operating degF (degC)	Installation degF (degC)				
144-192	-22 to +158 (-30 to +70)	+14 to +140 (-10 to +60)	100	4.4	12	250
864	-22 to +158 (-30 to +70)	+14 to +140 (-10 to +60)	100	4.4	24	200

Maximum Reel Length: 41,010 feet (12,500 meters)

Prysmian Group

4 Tesseneer Drive | Highland Heights, KY 41076 | +1-800-669-0808 | website: na.prysmiangroup.com/telecom

RIBBON COLOR CODE					
Ribbon #	Marking	Ribbon #	Marking	Ribbon #	Marking
1		13	■ ■ ■	25	■ ■ ■ ■ ■
2		14	■ ■ ■	26	■ ■ ■ ■ ■
3		15	■ ■ ■	27	■ ■ ■ ■ ■
4		16	■ ■ ■	28	■ ■ ■ ■ ■
5	■	17	■ ■ ■	29	■ ■ ■ ■ ■
6	■	18	■ ■ ■	30	■ ■ ■ ■ ■
7	■	19	■ ■ ■	31	■ ■ ■ ■ ■
8	■	20	■ ■ ■	32	■ ■ ■ ■ ■
9	■	21	■ ■ ■	33	■ ■ ■ ■ ■
10	■ ■	22	■ ■ ■	34	■ ■ ■ ■ ■
11	■ ■	23	■ ■ ■	35	■ ■ ■ ■ ■
12	■ ■	24	■ ■ ■	36	■ ■ ■ ■ ■

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 in the example.

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	RCFMD	1JKT	12	B1	192	E1

PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
RCFMD = ezMICRODUCT™ with FlexRibbon technology	
3	CONSTRUCTION
1JKT = Single Jacket	
4	FIBER GROUPING
12 = 12f per ribbon 144-192f	
24 = 24f per ribbon 864f	

FIBER INFORMATION		
5	FIBER TYPE	
SINGLE-MODE		
B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)		
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2&B2, and A1, G.652.D)		
CU = Corning® SMF-28® Ultra Single-Mode (ITU G.657.A1 & G.652.D)		
21 = 200µm Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)		
6	FIBER COUNT	
144-192 and 864 fibers		
7	FIBER GRADE	
SINGLE-MODE		
Attenuation (dB/km)	Wavelength (nm)	Type
E1 = 0.40/0.40/0.30	1310/1383/1550	B1, B2, or CU
EA = 0.50/0.50/0.50	1310/1383/1550	21

Note: For individual fiber breakout, please refer to Prysmian's FlexRibbon breakout procedure.

© DRAKA & PRYSMIAN - Brands of The Prysmian Group. 2020 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 November 2020.