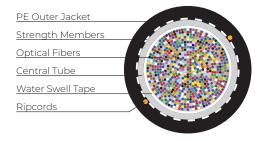
MicroFlex™ with 250µm FlexRibbon® Technology

FlexRibbon cable, for use in microducts





OVERVIEW

Prysmian's MicroFlex cables provide optimized jetting performance for underground microduct installations or jetting directly over existing cable. Prysmian's FlexRibbon technology provides the benefits of mass-fusion splicing, without compromising cable OD in a diameter-sensitive application. The use of 250µm fiber provides the most straightforward splicing process. This small diameter cable combines high reliability with reduced size and weight for optimal blowing performance.

MicroFlex cables are an ideal solution for network operators who wish to maximize duct utilization, defer capital expenditures to match revenue streams, maintain flexibility for future growth, and reduce installation and upgrade costs.

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

SPECIFICATIONS / RATINGS

Applications Jetted microduct deployment, installed in

microducts or partially filled duct

Constructions Central tube construction containing twelve-

fiber flexible ribbons

Fiber Count 144 – 192f

Fiber Types G.657.A1/G.652.D Bend-Insensitive SMF

BBXS™ G.657.A2/G.652.D Bend Insensitive SMF

Standards Tested in accordance with ICEA744

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

Supplier

Fiber	Minimum	Optimum Microduct ID (mm)	Tube Size (mm)	Cable Diameter		Cable Weight		Bend Radius with Load		Bend Radius No Load		Tensile Load Maximum
Count	Microduct ID (mm)			inches	mm	lb/kft	kg/km	inches	cm	inches	cm	/Operating (lbf)
144-192	13	14	7.9	0.41	10.5	51	76	8	21	8	20.4	167/50

Fiber	Recommen- ded Fiber Count	D	Temperat	ure Range	Compression N/		Fibers per Ribbon	Fiber Diameter (ųm)
Count Range		Prysmian Recommended Part Number	Operating degF (degC)	Installation degF (degC)	cm per ICEA640, GR20	Impact Energy Nm (FOTP25)		
144-192	192	RCFMD1JKT-12-B1-192-E1	-22 to +158 (-30 to +70)	+14 to +122 (-10 to +50)	50	2	12	250

Maximum Reel Length: 20,000 feet (6,100 meters)



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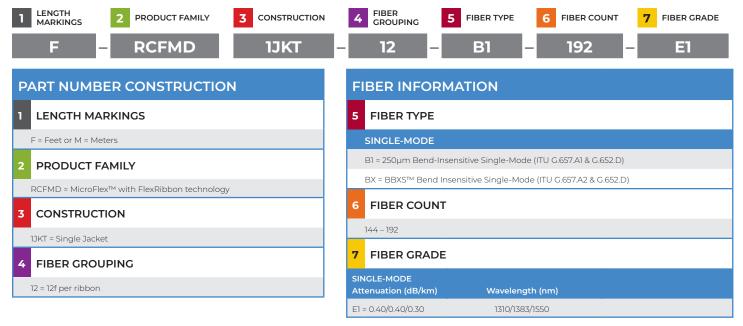
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RIBBON COLOR CODE							
Ribbon #	Marking	Ribbon #	Marking				
1		13					
2		14					
3		15					
4		16					
5							
6							
7							
8							
9							
10							
11							
12							

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



Notes: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help. For individual fiber breakout, please refer to Prysmian's FlexRibbon breakout procedure.

Other cable constructions and fiber performance grades available on request. \\

