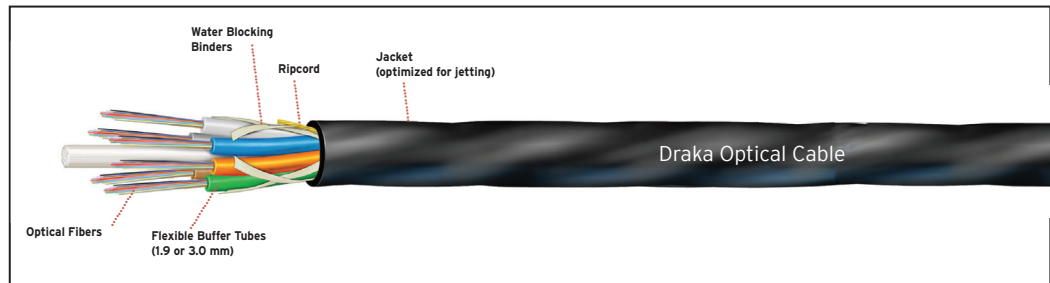


ezMICRODUCT™ Jetted Microduct Loose Tube Cable



Product Snapshot

Applications	Jetted Micro-Duct Deployment, Installed in Microducts or Partially Filled Duct
Constructions	Stranded Dielectric Loose Tube / Specialized Jacket & Construction
Fiber Count	2 to 144 fibers in color coded Buffer Tubes
Fiber Types	Single-mode (ESMF, BendBright®, BendBright-XS, TeraLight, NZDSF-LA and Multimode)
Standards	ANSI/ICEA 640, IEC, (RUS LISTED), Telcordia GR-20

Specialized loose tube design for jetted microduct installations - dramatically lowers CAPEX and installed cost when duct space is tight.

Draka's ezMICRODUCT cables provide optimized jetting performance for underground microduct installations or jetting directly over existing cable. Draka offers microduct product solutions for microducts ranging from 10 mm to 13 mm, or larger, inside diameters. These small diameter cables combine high reliability with reduced size and weight for optimum 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 & upgrade costs. Deployments have demonstrated jetting distances of more than 1-1/4 miles (single) and 6 miles (cascaded) with speeds of 200 to 360 feet per minute (60 to 100 m/minute).

Features & Benefits

Optimal Jetting Performance

- Reduced size & weight for installation in microduct
- Up to 65% reduction in cross-section vs. conventional cable
- Specialized jacket & construction - demonstrated results more than 1-1/4 miles (single) and 6 miles (cascaded)
- Simple and standard loose tube entry via ripcords, swellable binders, and flexible buffer tubes
- Strength yarns bend any direction without memory
- Available BendBright & BendBright-XS bend-tolerant single-mode fiber

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RUS
Listed

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Features & Benefits (cont.)

Reduce Total Installed Cost

- Defer CAPEX by maximizing duct utilization
- Reduce installation and upgrade costs
- Minimize disruption to underground infrastructure
- Quick installation - long lengths & high speeds
- Allow use of ducts already containing cable
- The 13 mm ID micro duct solution utilizes cable with mid-span express buffer tube storage capabilities of 16 to 20 feet depending on the design. The MDL1JKT design utilizes flexible (2.5 mm diameter) buffer tubes made with polypropylene for enhanced kink resistance and improved mid-span express tube performance.

Reliable Lifetime Performance

- Exclusive ColorLock® fiber coating (single-mode) for permanent embedded color & long-term performance
- Guaranteed standards-based performance

Minimum Recommended Microduct ID/OD mm (Inches)	Cable Family Part Number	Fiber Count	# Fibers/ Tube	Tube Size (mm)	Tube Type	Maximum Mid-Span Tube Storage Length feet (m)	# Tubes or Filler Rods	Cable Diameter inches (mm)	Cable Weight lb/kf (kg/km)	Bend Radius with Load inches (cm)	Bend Radius No Load inches (cm)
10/12 (0.39/0.47)	MDS1JKT-12	2 - 72	12	1.9	PBT	0	6	0.28 (7.0)	28 (41)	6 (14)	4 (11)
11.8/16 (0.46/0.63)	MDS1JKT-12	74 - 96	12	1.9	PBT	0	8	0.33 (8.4)	42 (62)	7 (17)	5 (13)
13/16 (0.50/0.63)	MDL1JKT-12	2 - 72	12	2.5	PP	20 (6.1)	6	0.35 (8.9)	42 (63)	7 (18)	5 (14)
13/16 (0.50/0.63)	MDL1JKT-12	74 - 84	12	2.5	PP	20 (6.1)	7	0.38 (9.7)	47 (69)	8 (20)	5 (15)
13/16 (0.50/0.63)	MDL1JKT-12	86 - 96	12	2.5	PP	20 (6.1)	8	0.41 (10.5)	55 (82)	8 (21)	5 (16)
13/16 (0.50/0.63)	MDS1JKT-24	98 to 144	24	3.0	PBT	16 (4.9)	6	0.41 (10.5)	60 (89)	8 (21)	6 (16)

PP-polypropylene

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Ordering Guide

The Draka Cable 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: ezMICRODUCT Loose Tube Cable | Single Jacket Dielectric (12 Fibers/Tube) with 72 BendBright single-mode fibers (printed in Feet)

LENGTH MARKINGS	PRODUCT FAMILY	CONSTRUCTION	FIBER GROUPING	FIBER TYPE	FIBER COUNT	FIBER GRADE
1 F	2 MDS	3 1JKT	4 12	5 BB	6 072	7 E3

Part Number Construction

- Length Markings**
F = Feet or M = meters
- Product Family**
Refer to Table 1 - Product Information
- Construction**
1JKT = Single Jacket
- Fiber Grouping**
06 = 6f tube
12 = 12f tube
24 = 24f tube (12 fibers / unit)
- Fiber Type**
Refer to Table 2 - Product Information
- Fiber count**
2 to 144
- Fiber Grade**
Refer to Table 2 - Product Information

Table 1 - Product Information

Product Code	Description
MDS	ezMICRODUCT
MDL	ezMICRODUCT with 2.5mm polypropylene tubes

Table 2 - Fiber Information

5 Fiber Type	Description	7 Fiber Grade	Wavelength (nm)	Attenuation (dB/km)	Bandwidth (MHz km)	1 GbE Distance (meters)	10 GbE Distance (meters)
Singlemode	ES	Enhanced Single-Mode (ITU G.652.C & D)	E1	1310/1383/1550	0.4/0.4/0.3		
			E3	1310/1383/1550	0.35/0.35/0.25		
	BB	BendBright (ITU G.657.A1 & G.652)	E3	1310/1383/1550	0.35/0.35/0.25		
	BX	BendBright-XS (ITU G.657.B2 & A2 & G.652.D)	E3	1310/1383/1550	0.35/0.35/0.25		
	TU	TeraLight Ultra	NA	1310/1550	0.40/0.25		
Multimode	LA	NZDSF-LA	N1	1550	0.25		
	6S	OM1 (62.5µm)	M2	850/1300	3.5/1.0	200/500	300/550
	5E	MaxCap-BB-OM2+ (50µm)	M3	850/1300	3.0/1.0	700/500	800/550
	5F	MaxCap-BB-OM3 (50µm)	M3	850/1300	3.0/1.0	1500/500	1000/550
	5G	MaxCap-BB-OM4 (50µm)	M3	850/1300	3.0/1.0	3500/500	1100/550

Other cable constructions and fiber performance grades available on request.

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