

# ezMICROduct™

## Jetted Micro-Duct Loose Tube Cable

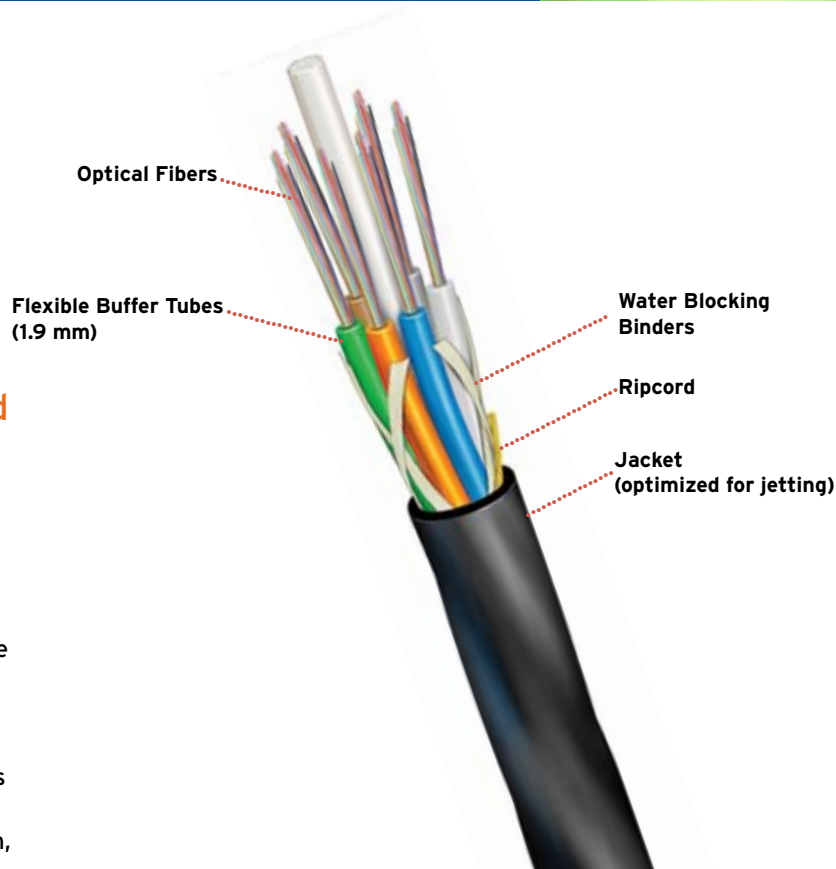


### Product Snapshot

<b>Applications</b>	Jetted Micro-Duct Deployment Installed in micro-ducts or partially filled duct
<b>Constructions</b>	Stranded Dielectric Loose Tube / Specialized Jacket & Construction
<b>Fiber Count</b>	2 to 144 fibers in Color-coded Buffer Tubes
<b>Fiber Types</b>	Singlemode (ESMF, BendBright®)
<b>Options</b>	Preconnectorized / 19 AWG Tone Wire
<b>Performance</b>	ANSI/ICEA, IEC, RDUP/RUS, Telcordia GR-20

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

As part of Draka's innovative MICRONet Solutions, ezMICROduct™ cables provide optimized jetting performance for underground micro-duct installations or jetting directly over existing cable. 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 110 m/minute).



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### Features & Benefits

#### Optimal Jetting Performance

- [+] Reduced size & weight for installation in micro-duct
- [+] Up to 65% reduction in cross-section vs. conventional
- [+] 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® bend-tolerant singlemode fiber

#### 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.

#### Reliable Lifetime Performance

- [+] Exclusive ColorLock® fiber coating (singlemode) for permanent embedded color & long-term performance
- [+] Guaranteed standards-based performance

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### Dielectric (Non-Armored)

### (F-MDS1JKT)

Fiber Count	# of Buffer Tubes	Diameter Inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Suggested Micro-Duct Diameter Outer / Inner (nominal) inches (mm)	Bend Radius   Load inches (cm)	Bend Radius   No Load inches (cm)
2 to 72	6	0.28 (7.0)	28 (41)	0.47 / 0.39 (12 / 10)	6 (14)	4 (11)
74 to 96	8	0.33 (8.4)	42 (62)	0.63 / 0.46 (16 / 11.8)	7 (17)	5 (13)
98 to 144	12	0.44 (11.1)	62 (92)	0.63 / 0.50 (16 / 13)	9 (22)	7 (17)

### Mechanical Specifications

#### Installation

- [+] Maximum installation load **300 lbf** (1335 N)
- [+] Maximum operation load **90 lbf** (400 N)

#### Temperature Range

- [+] Shipping and Storage **-40° F to +167° F** (-40° C to +75° C)
- [+] Installation **-22° F to +140° F** (-30° C to +60° C)
- [+] Operation **-40° F to +158° F** (-40° C to +70° C)

Midspan Cable Splicing: Due to the small diameter tube required by micro-duct applications, buffer tubes should not be express routed at access points. Up to 3 feet of buffer tube may be present between the cable end and splice tray or furcation tubing.

## Ordering Guide

For Ordering or More Information Contact Us at [sales@drakacomteq.us](mailto:sales@drakacomteq.us) or **800.879.9862**.

Example: ezMICROduct™ Loose Tube Cable | Single Jacket Dielectric (12 Fibers/Tube) with 72 BendBright Singlemode Fibers (Printed in Feet)



- 1 PRINT**  
F Feet  
M Meters
- 2 PRODUCT FAMILY**  
MDS ezMICROduct™
- 3 CONSTRUCTION**  
1JKT Single Jacket
- 4 FIBERS/UNIT**  
06 6 Fibers per Tube  
12 12 Fibers per Tube
- 6 FIBER COUNT**  
### 001 to 144 Fibers

5 FIBER TYPE	7 FIBER GRADE	WAVELENGTHS (nm)		ATTENUATION (dB/km)	
		1310	1383 / 1550	0.40 / 0.40	0.30
ES ESMF	E1	1310	1383 / 1550	0.40	0.40 / 0.30
	E3	1310	1383 / 1550	0.35	0.35 / 0.25
BB BendBright®	E3	1310	1383 / 1550	0.35	0.35 / 0.25

Other performance grades and configurations available on request.

