

ezPREP® | Loose Tube

Loose Tube Cable

Product Snapshot

Applications	Multi-purpose Outdoor - Aerial Lashed, Duct, Direct Buried
Constructions	Dielectric, Armored, Double Armored
Fiber Count	2 to 432 fibers in Color-coded Buffer Tubes
Fiber Types	Singlemode (ESMF, BendBright) / Multimode / Hybrid
Options	Preconnectorized / Gel-Filled Core / Steel Central Member / Copper Pair(s)
Other versions:	Central / Heavy Duty / Indoor-Outdoor
Performance	ANSI/ICEA, IEC, RUS, Telcordia GR-20

Versatile multi-purpose fiber cable; hands-on the easiest loose tube cables to access & prep.

Draka's popular ezPREP Loose Tube cables provide versatile performance for aerial lashed, duct, and direct buried installations. These cables combine adhesive armor, flexible tubes, swellable dry water-blocking, and exclusive ColorLock® fiber coating to make ezPREP the easiest loose tube cables to access and prep - preferred by installers 3:1 over other brands.

Features & Benefits

Easy Cable Entry & Preparation

- [+] Adhesive bond armor greatly improves mid-entry
- [+] Ripcord speeds cable entry & outer jacket removal
- [+] Dry core swellable binders speed cable prep

Flexible Routing & Termination

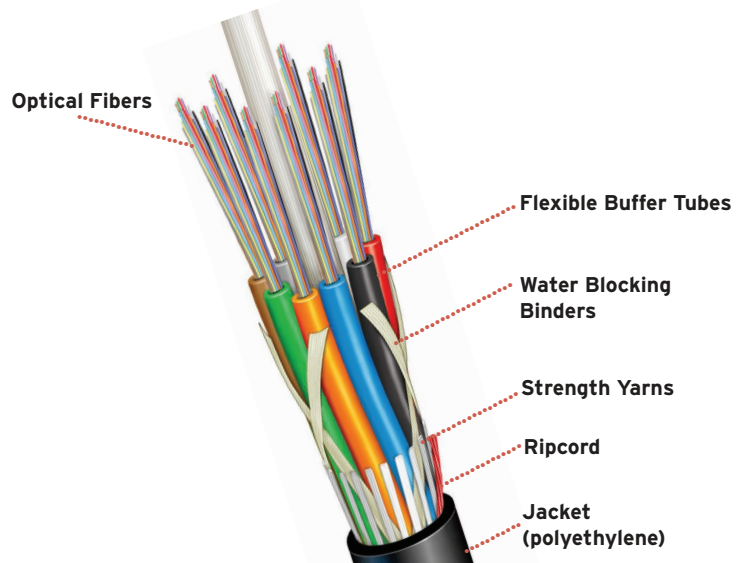
- [+] Flexible buffer tubes simplify routing & splicing prep
- [+] Available BendBright™ bend-tolerant singlemode fiber

Multi-purpose Installation & Use

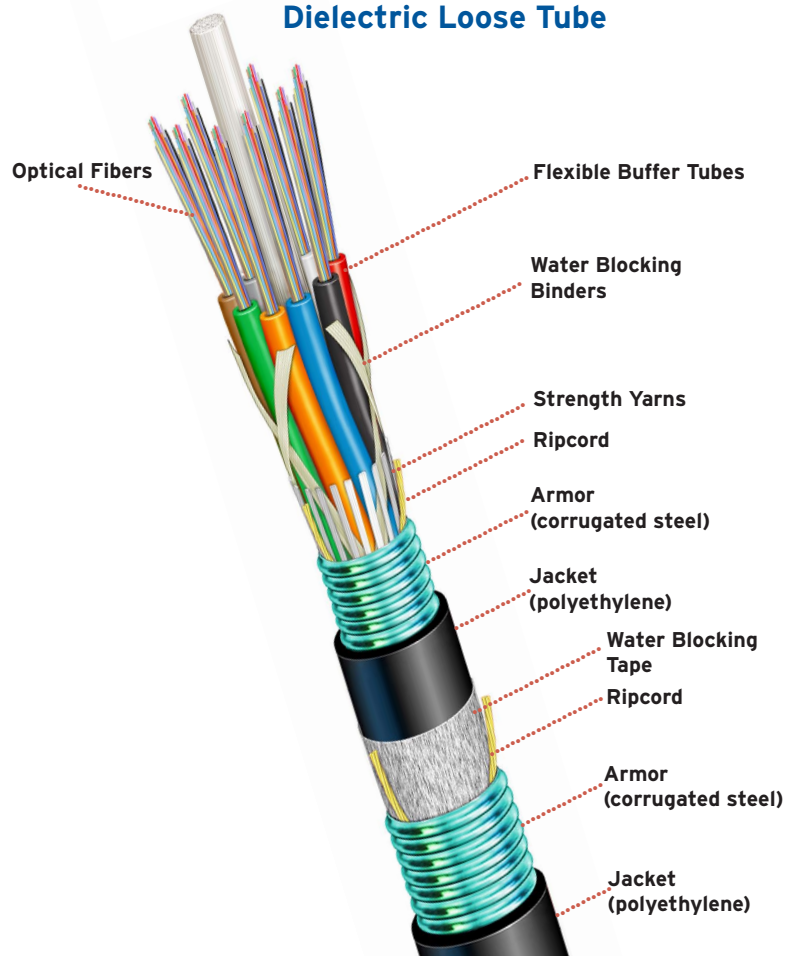
- [+] Suitable for aerial lashed, duct, & direct buried installation
- [+] Small diameter & light weight extend installation length
- [+] Optional corrugated steel tape armor provides mechanical protection & rodent resistance

Reliable Lifetime Performance

- [+] Exclusive ColorLock® fiber coating (singlemode) for permanent embedded color & lifetime performance
- [+] Proven water-blocking with swellable core elements & gel-filled buffer tubes
- [+] Guaranteed standards-based performance
- [+] Flexible buffer tube material provides enhanced long term performance



Dielectric Loose Tube



Double Armored Loose Tube (SPSP)

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Loose Tube Cable

Dielectric (Non-Armored)

(ETH1JKT)

Fiber Count	# of Buffer Tubes	Diameter inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	0.41 (10.5)	50 (74)	8 (21)	4 (11)
62 to 72	6	0.45 (11.4)	62 (93)	9 (23)	5 (12)
74 to 84	7	0.48 (12.1)	69 (103)	10 (24)	5 (12)
86 to 96	8	0.51 (12.8)	76 (113)	10 (26)	5 (13)
98 to 108	9	0.55 (13.9)	88 (131)	11 (28)	6 (14)
110 to 120	10	0.57 (14.4)	94 (140)	12 (29)	6 (14)
122 to 132	11	0.60 (15.3)	103 (153)	12 (31)	6 (15)
134 to 216	18	0.63 (16.1)	117 (174)	13 (32)	6 (16)
218 to 264	22	0.69 (17.6)	140 (209)	14 (35)	7 (18)
266 to 288	24	0.73 (18.6)	153 (228)	15 (37)	7 (19)
290 to 432*	18	0.73 (18.6)	153 (228)	15 (37)	7 (19)

Single Jacket Armored (SP)

(ETH1A1J)

Fiber Count	# of Buffer Tubes	Diameter inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	0.45 (11.5)	89 (133)	9 (23)	7 (17)
62 to 72	6	0.50 (12.7)	106 (158)	10 (25)	8 (19)
74 to 84	7	0.53 (13.5)	116 (173)	11 (27)	8 (20)
86 to 96	8	0.56 (14.2)	125 (186)	11 (28)	9 (21)
98 to 108	9	0.60 (15.2)	141 (210)	12 (31)	9 (23)
110 to 120	10	0.63 (16.0)	151 (225)	13 (32)	10 (24)
122 to 132	11	0.66 (16.8)	161 (240)	13 (34)	10 (25)
134 to 216	18	0.69 (17.5)	179 (266)	14 (35)	11 (26)
218 to 264	22	0.76 (19.3)	209 (311)	15 (39)	12 (29)
266 to 288	24	0.80 (20.3)	225 (335)	16 (41)	12 (31)
290 to 432*	18	0.80 (20.3)	225 (335)	16 (41)	12 (31)

Double Jacket Armored (PSP)

(ETH1A2J)

Fiber Count	# of Buffer Tubes	Diameter inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	0.52 (13.3)	107 (159)	11 (27)	8 (20)
62 to 72	6	0.54 (13.8)	130 (193)	11 (28)	8 (21)
74 to 84	7	0.57 (14.6)	140 (210)	12 (29)	9 (22)
86 to 96	8	0.60 (15.3)	152 (226)	12 (31)	9 (23)
98 to 108	9	0.64 (16.3)	168 (250)	13 (33)	10 (25)
110 to 120	10	0.66 (16.8)	177 (264)	13 (34)	10 (26)
122 to 132	11	0.70 (17.9)	193 (287)	14 (36)	11 (27)
134 to 216	18	0.73 (18.6)	211 (314)	15 (38)	11 (28)
218 to 264	22	0.79 (20.1)	243 (362)	16 (40)	12 (30)
266 to 288	24	0.83 (21.2)	260 (387)	17 (43)	13 (32)

*Cables with fiber counts greater than 288 contain 24 fibers in a larger PBT buffer tube with 12 fiber binder groups.

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The Draka policy of continuous improvement may result in changes to specifications without prior notice.

Issue Date: 6.1.2006 / DS0003-01

ezPREP® | Loose Tube

Loose Tube Cable

Dielectric Double Jacket (PDP)

Fiber Count	# of Buffer Tubes	Diameter inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	0.47 (11.8)	65 (96)	9 (23)	5 (12)
62 to 72	6	0.49 (12.5)	77 (115)	10 (25)	5 (13)
74 to 84	7	0.52 (13.3)	84 (125)	10 (26)	5 (13)
86 to 96	8	0.56 (14.1)	91 (136)	11 (28)	6 (14)
98 to 108	9	0.60 (15.2)	104 (154)	12 (30)	6 (15)
110 to 120	10	0.62 (15.8)	110 (164)	12 (31)	6 (16)
122 to 132	11	0.66 (16.7)	119 (177)	13 (34)	7 (17)
134 to 216	18	0.69 (17.5)	135 (200)	14 (35)	7 (18)
218 to 264	22	0.75 (19.1)	161 (240)	15 (38)	8 (19)
266 to 288	24	0.79 (20.2)	176 (261)	16 (40)	8 (20)

(ETHNA2J)

Double Jacket Double Armored (SPSP)

Fiber Count	# of Buffer Tubes	Diameter inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	0.62 (15.8)	176 (262)	13 (33)	10 (25)
62 to 72	6	0.66 (16.8)	218 (324)	14 (34)	10 (26)
74 to 84	7	0.69 (17.6)	232 (346)	14 (36)	11 (27)
86 to 96	8	0.72 (18.4)	248 (369)	15 (38)	11 (28)
98 to 108	9	0.76 (19.4)	271 (403)	16 (40)	12 (30)
110 to 120	10	0.79 (20.1)	286 (425)	16 (41)	12 (31)
122 to 132	11	0.82 (20.9)	302 (450)	17 (43)	13 (32)
134 to 216	18	0.85 (21.7)	324 (482)	17 (44)	13 (33)
218 to 264	22	0.92 (23.4)	368 (546)	19 (48)	14 (36)
266 to 288	24	0.96 (24.5)	391 (582)	20 (50)	15 (37)

(ETH2A2J)

Triple Jacket Double Armored (PSPSP)

Fiber Count	# of Buffer Tubes	Diameter inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	0.68 (17.3)	200 (297)	14 (36)	10 (27)
60 to 72	6	0.71 (18.1)	246 (367)	14 (37)	11 (28)
74 to 84	7	0.74 (18.9)	262 (389)	15 (38)	11 (29)
86 to 96	8	0.77 (19.6)	279 (415)	16 (40)	12 (30)
98 to 108	9	0.81 (20.7)	302 (449)	16 (42)	12 (31)
110 to 120	10	0.83 (21.2)	315 (468)	17 (43)	13 (32)
122 to 132	11	0.87 (22.2)	338 (502)	18 (45)	13 (34)
134 to 216	18	0.90 (22.9)	360 (536)	18 (46)	14 (35)
218 to 264	22	0.96 (24.5)	402 (598)	19 (49)	15 (37)
266 to 288	24	1.00 (25.5)	426 (634)	20 (51)	15 (38)

(ETH2A3J)

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Mechanical Specifications

Installation

- [+] Maximum installation load **600 lbf** (2670 N)
- [+] Maximum operation load **180 lbf** (800 N)

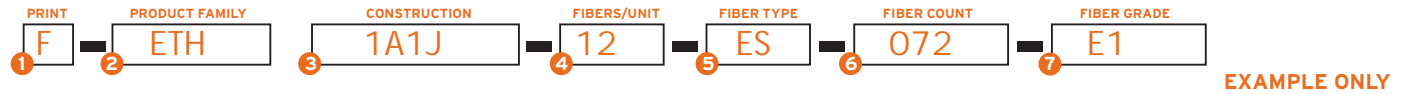
Temperature Range

- [+] 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)

Ordering Guide

For Ordering or More Information Contact Us at sales@drakacomteq.us or **800.879.9862**.

Example: ezPREP® Loose Tube | Single Armor Single Jacket (12 Fibers/Tube) with 72 ESMF Singlemode Fibers (Printed in Feet)



- 1 PRINT**
F Feet
M Meters

- 2 PRODUCT FAMILY**
ETH ezPREP Loose Tube

- 3 CONSTRUCTION**
1JKT Single Jacket
1A1J Single Armor, Single Jacket
1A2J Single Armor, Dual Jacket
2A2J Double Armor, Dual Jacket
2A3J Double Armor, Triple Jacket
NA2J Nonarmored, Dual Jacket

- 4 FIBERS/UNIT**
06 6 Fibers per Tube
12 12 Fibers per Tube
24 24 Fibers per Tube (12 Fiber Group)

- 6 FIBER COUNT**
002 to 432 Fibers

5 FIBER TYPE	7 FIBER GRADE	WAVELENGTHS (nm)	ATTENUATION (dB/km)	BANDWIDTH (MHz·km)	1 GbE DISTANCE (m at 850/1300nm)	10 GbE DISTANCE (m at 850nm)
SINGLEMODE						
ES ESMF	E1	1310 / 1383 / 1550	0.40 / 0.40 / 0.30			
	E3	1310 / 1383 / 1550	0.35 / 0.35 / 0.25			
BB BendBright	B3	1310 / 1383 / 1550	0.35 / 0.35 / 0.25			
MULTIMODE						
5S Legacy, 50um	51	850 / 1300	3.5 / 1.5	500 / 500	550 / 550	82
6S Legacy, 62.5um	61	850 / 1300	3.5 / 1.0	200 / 500	300 / 550	33
5H HiCap, 50um	71	850 / 1300	3.5 / 1.5	600 / 1200	750 / 2000	110
6H HiCap, 62.5um	81	850 / 1300	3.5 / 1.0	200 / 600	500 / 1000	65
53 MaxCap, 50um, 300m	92	850 / 1300	3.5 / 1.5	1500 / 500	1000 / 550	300
55 MaxCap, 50um, 550m	93	850 / 1300	3.5 / 1.5	3500 / 500	1100 / 550	550

Other cable constructions and fiber performance grades available on request.

