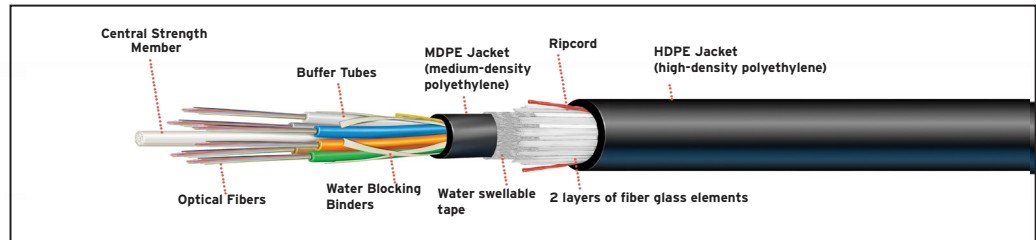


ezPREP® | Loose Tube All-Dielectric Armor Cable



Product Snapshot

Applications	Multi-purpose Outdoor - All-dielectric armor cable for Aerial Lashed, Duct, Direct Buried
Constructions	All-dielectric dual jacket fiberglass armored cable, gel or gel-free
Fiber Count	4 to 432 fibers in color-coded buffer tubes
Fiber Types	Single-mode (ESMF, BendBright®, BendBrightXS, NZDSF-LA, TeraLight®) / Multimode / Hybrid
Other Versions	Standard loose tube all-dielectric non-armor or metallic armor cable, gel or gel-free
Performance	ANSI/ICEA640, RUS 7 CFR 1755 (RUS Compliant), Telcordia GR-20

Versatile all-dielectric cable for added robustness and protection from small rodents

Draka's all-dielectric armor loose tube cable provides all the benefits of Draka's loose tube cable along with enhanced mechanical protection. Multiple layers of fiberglass provide dielectric armoring, superior tensile strength, and protection from small rodents.

Features & Benefits

Enhanced Mechanical Protection

- All-dielectric armor provides enhanced mechanical and protection from small rodents.
- 1000 lbf tensile strength - 66% higher strength compared to standard loose tube cable.
- Multiple layers of fiberglass armoring between 2 polyethylene jackets maintain cable flexibility and easy cable handling, especially during cable terminations.
- Thicker outer jacket of high density polyethylene (HDPE) provide enhanced durability.
- Suitable for aerial lashed, duct & direct buried applications.

Easy Cable Entry & Termination

- 16 to 20 foot mid-span buffer tube storage capability, allowing for easy mid-cable access.
- 2.5 mm flexible polypropylene buffer tubes provide flexibility for easy routing in closures up to 288 fibers.
- Available with BendBright-XS® fiber which has a bending loss 100 times lower than single-mode fiber.

(Continued on next page)

Content may be subject to change without notification

RUS
Compliant

DS070 11/11/2011-V2

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Features & Benefits (cont.)

Reliable Lifetime Performance

- Tested for resistance against small rodents
- Colorlock® fiber coating for long lasting fiber reliability and color vibrancy.
- Proven water-blocking with swellable core elements.
- Available with gel or gel-free buffer tubes
- Guaranteed standards-based performance

All-Dielectric Armor Loose Tube | Gel-Free

(EDHDA2J)

Fiber Count	# of Buffer Tubes	Buffer Tube Diameter (mm)	Buffer Tube Material	Number Fibers per Tube	Mid-Span Tube Storage Length ft (m)	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	2.5	PP	12	20 (6.1)	0.50 (13)	77 (114)	10 (25)	5 (13)
62 to 72	6	2.5	PP	12	20 (6.1)	0.53 (13)	86 (128)	11 (27)	5 (13)
74 to 86	7	2.5	PP	12	20 (6.1)	0.55 (14)	96 (143)	11 (28)	5 (14)
88 to 96	8	2.5	PP	12	20 (6.1)	0.58 (15)	110 (163)	12 (29)	6 (15)
98 to 108	9	2.5	PP	12	20 (6.1)	0.62 (16)	124 (184)	12 (30)	6 (16)
108 to 120	10	2.5	PP	12	20 (6.1)	0.64 (16)	134 (200)	13 (32)	6 (17)
122 to 132	11	2.5	PP	12	20 (6.1)	0.68 (17)	153 (227)	14 (35)	7 (18)
134 to 144	12	2.5	PP	12	20 (6.1)	0.71 (18)	155 (230)	14 (36)	7 (18)
146 to 216	18	2.5	PP	12	20 (6.1)	0.72 (18)	162 (241)	14 (37)	7 (18)
218 to 288	24	2.5	PP	12	20 (6.1)	0.83 (21)	198 (264)	17 (42)	8 (21)

* PP = polypropylene

All-Dielectric Armor Loose Tube | Gel-Filled Buffer Tubes

(ETHDA2J)

Fiber Count	# of Buffer Tubes	Buffer Tube Diameter (mm)	Buffer Tube Material	Number Fibers per Tube	Mid-Span Tube Storage Length ft (m)	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	2.5	PP	12	20 (6.1)	0.50 (12.6)	80 (119)	10 (25)	5 (13)
2 to 72	6	2.5	PP	12	20 (6.1)	0.53 (13.4)	90 (134)	11 (27)	5 (13)
74 to 86	7	2.5	PP	12	20 (6.1)	0.55 (14)	97 (151)	11 (28)	5 (14)
88 to 96	8	2.5	PP	12	20 (6.1)	0.58 (14.7)	115 (171)	12 (29)	6 (15)
98 to 108	9	2.5	PP	12	20 (6.1)	0.62 (15.7)	130 (193)	12 (30)	6 (16)
108 to 120	10	2.5	PP	12	20 (6.1)	0.64 (16.3)	141 (210)	13 (32)	6 (17)
122 to 132	11	2.5	PP	12	20 (6.1)	0.68 (17.2)	160 (238)	14 (35)	7 (18)
134 to 144	12	2.5	PP	12	20 (6.1)	0.71 (18.1)	169 (252)	14 (36)	7 (18)
146 to 216	18	2.5	PP	12	20 (6.1)	0.72 (18.4)	172 (256)	14 (37)	7 (18)
218 to 288	24	2.5	PP	12	20 (6.1)	0.83 (21.0)	214 (318)	17 (42)	8 (21)
290 to 432	18	3.0	PBT	24	16 (4.9)	0.81 (20.7)	200 (298)	16 (41)	8 (21)

* PP = polypropylene
24 fiber tube contains two 12 fiber binder groups (blue & orange)

Installation

- Maximum installation load 1000 lbf (4500 N)
- Maximum operation load 300 lbf (1333 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)

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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: ezPREP Gel-Free Loose Tube | All-Dielectric Armor Dual Jacket 72 Fiber ESM Single-mode Fibers (printed in feet)

LENGTH MARKINGS	PRODUCT FAMILY	CONSTRUCTION	FIBER GROUPING	FIBER TYPE	FIBER COUNT	FIBER GRADE
F	EDH	DA2J	12	ES	072	E1

Part Number Construction

- Length Markings**
F = Feet or M = meters
- Product Family**
Refer to Table 1 - Product Information
- Construction**
DA2J - all-dielectric armor, dual jacket
- Fiber Grouping**
06 = 6f per unit or tube
12 = 12f per unit or tube
24 = 24f per tube with two 12 fiber groups
- Fiber Type**
Refer to Table 2 - Product Information
- Fiber count**
004 to 432 fibers
- Fiber Grade**
Refer to Table 2 - Product Information

Table 1 - Product Information

Product Code	Description
Outdoor Applications	
ETH	ezPREP Loose Tube Gel-filled tubes
EDH	ezPREP Loose Tube Gel-Free

Table 2 - Fiber Information

Fiber Type	Description	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			
	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	33/___
	5E MaxCap-BB-OM2+ (50µm)	M3	850/1300	3.0/1.0	700/500	800/550	150/___
	5F MaxCap-BB-OM3 (50µm)	M3	850/1300	3.0/1.0	1500/500	1000/550	300/___
	5G MaxCap-BB-OM4 (50µm)	M3	850/1300	3.0/1.0	3500/500	1100/550	550/___

Other cable constructions and fiber performance grades available on request.

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