

ezPREP[®] Loose Tube | Harsh Environment

Chemical Resistant Loose Tube Cables

Product Snapshot

Applications	Heavy Duty Protection from Harsh Chemicals & Solvents / Inter & Intra Building Process Control, SCADA, Chemical Plants, Airports
Constructions	Dielectric (single or double jacket) Armored (double jacket)
Flame Ratings	OFN, OFC (Armored) / UL 1581, IEEE 383
Fiber Count	2 to 216 fibers
Fiber Types	Multimode (MaxCap 10 GbE & HiCap 1 GbE) / Singlemode / Hybrid
Options	Higher Tensile Strength (1000 lb)
Performance	Telcordia GR-20, Telcordia GR-409, ANSI / ICEA S-104-696-2003

Rugged process control cable for harsh operating environments resistant to chemicals and solvents. Design provides flame-retardant safety and reliable broadband performance.

Draka's Harsh Environment chemical resistant cables package up to 216 fibers in an environmentally resistant design. Armored versions offer increased crush resistance. The stranded loose tube design isolates fiber from cable tensile forces and allows simple mid-span access. The specialized jacket construction provides heavy duty protection from harsh chemicals, solvents, and petroleum-based derivatives.

Features & Benefits

Robust Chemical Resistance & Protection

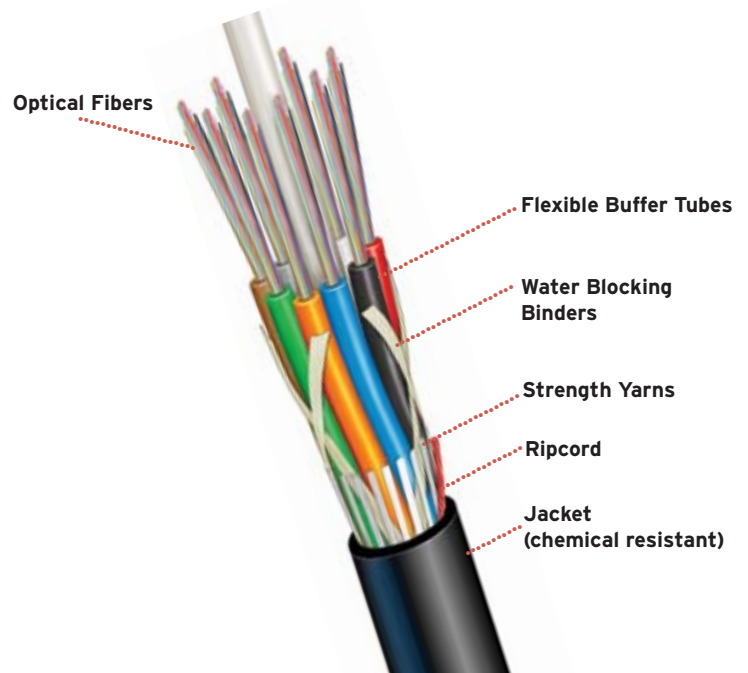
- [+] Chemical & petroleum resistant outer jacket
- [+] Versatile loose tube design & armored option
- [+] Optional 1000 lb (2700 N) tensile strength for dielectric/double jacket (DXPCC)

Harsh Environment / Flame Retardant Performance

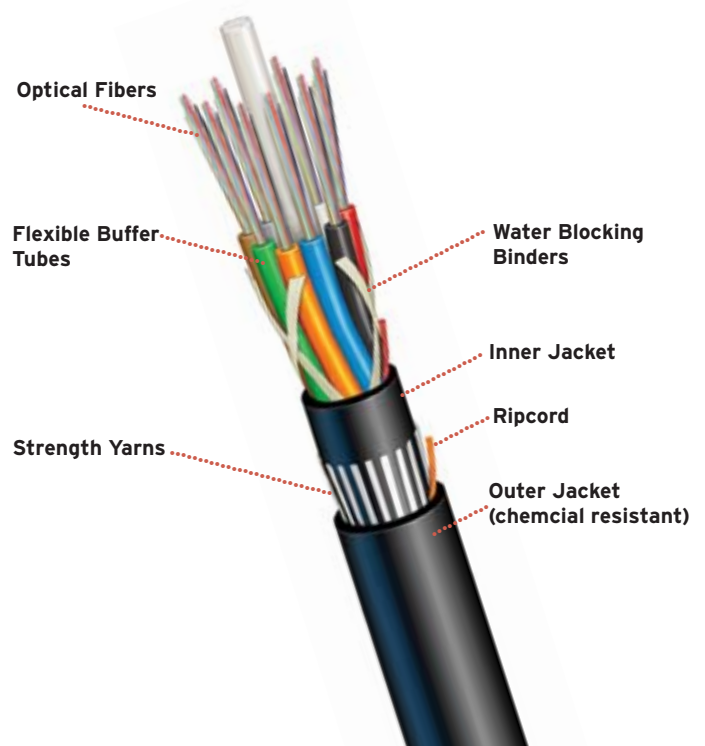
- [+] Meets OFN, OFC (Tray) - UL 1581 and IEEE 383
- [+] A single cable design can support all harsh environment structured cabling applications
- [+] Chemical resistant jacket

Reliable Performance

- [+] Broad mix & match selection of Singlemode & Multimode (MaxCap, HiCap) fiber types
- [+] Guaranteed standards-based performance
- [+] Loose tube design for optional fiber performance
- [+] Dry blocked core saves installation time by eliminating clean-up
- [+] Simple mid-span access
- [+] Color coded for easy identification

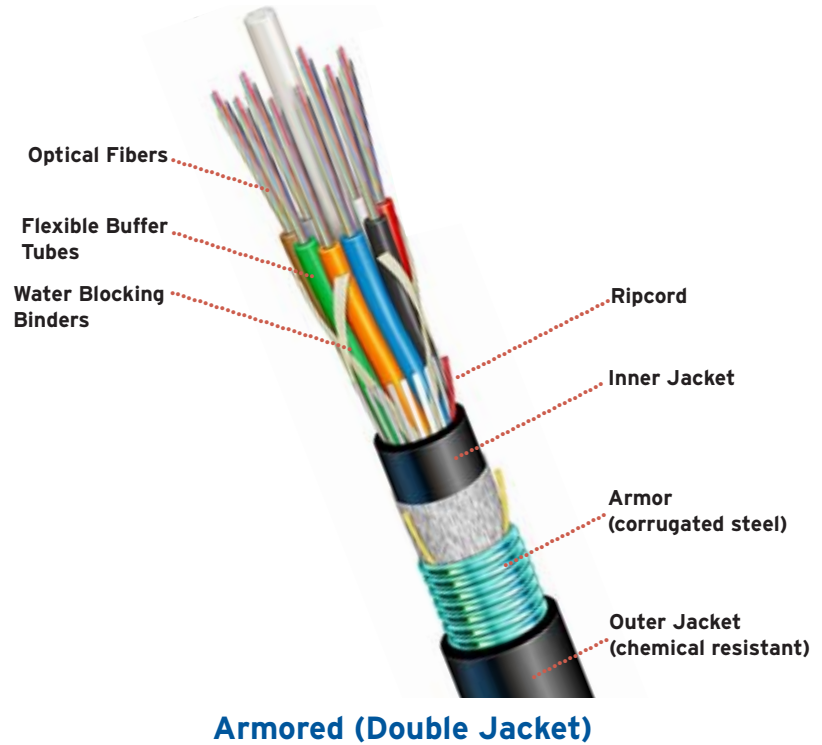


Dielectric (Single Jacket)



Dielectric (Double Jacket)

ezPREP® Loose Tube | Harsh Environment Chemical Resistant Cables



Dielectric (Single Jacket)

Fiber Count	# of Buffer Tubes Outer/Inner	Fibers per unit or # of units	DXPCB Diameter inches (mm)	Cable Weight lb/kft (kg/km)	OFN (Tray) Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 - 60	5	12	0.41 (10.4)	62 (93)	8 (21)	4 (10)
62 - 72	6	12	0.44 (11.2)	73 (109)	9 (22)	4 (11)
74 - 84	7	12	0.47 (11.9)	82 (123)	9 (24)	5 (12)
86 - 96	8	12	0.51 (13.0)	95 (142)	10 (26)	5 (13)
98 - 108	9	12	0.55 (14.0)	110 (165)	11 (28)	6 (14)
110 - 120	10	12	0.58 (14.7)	124 (186)	11 (29)	6 (15)
122 - 132	11	12	0.62 (15.7)	139 (209)	12 (31)	6 (16)
134 - 216	12/6	12	0.65 (16.5)	153 (229)	13 (33)	6 (17)

Dielectric (Double Jacket)

Fiber Count	# of Buffer Tubes Outer/Inner	Fibers per unit or # of units	DXPCC Diameter inches (mm)	Cable Weight lb/kft (kg/km)	OFN (Tray) Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 - 60	5	12	0.53 (13.5)	108 (162)	11 (27)	6 (14)
62 - 72	6	12	0.56 (14.2)	125 (188)	11 (28)	6 (14)
74 - 84	7	12	0.59 (15.0)	139 (209)	12 (30)	6 (15)
86 - 96	8	12	0.62 (15.7)	156 (234)	12 (31)	6 (16)
98 - 108	9	12	0.66 (16.8)	179 (269)	13 (34)	7 (17)
110 - 120	10	12	0.70 (17.8)	199 (299)	14 (36)	7 (18)
122 - 132	11	12	0.73 (18.5)	221 (331)	15 (37)	7 (19)
134 - 216	12/6	12	0.76 (19.3)	240 (360)	15 (39)	7 (19)

Draka | Cabling for the real world.

www.drakacomteq.us

sales@drakacomteq.us

800.879.9862



2512 Penny Road, Claremont, North Carolina 28610-0039 USA / International +1 828.459.9787

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

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Armored (Double Jacket)

Fiber Count	# of Buffer Tubes Outer/Inner	Fibers per unit or # of units	DXPCD Diameter inches (mm)	Cable Weight lb/kft (kg/km)	OFC (Tray) Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 - 60	5	12	0.60 (15.2)	167 (251)	12 (30)	9 (23)
62 - 72	6	12	0.64 (16.3)	183 (274)	13 (33)	9 (24)
74 - 84	7	12	0.66 (16.8)	191 (286)	13 (34)	10 (25)
86 - 96	8	12	0.70 (17.8)	209 (313)	14 (36)	11 (27)
98 - 108	9	12	0.74 (18.8)	228 (342)	15 (38)	11 (28)
110 - 120	10	12	0.78 (19.8)	249 (373)	16 (40)	12 (30)
122 - 132	11	12	0.81 (20.6)	266 (399)	16 (41)	12 (31)
134 - 216	12/6	12	0.84 (21.3)	284 (426)	17 (43)	13 (32)

Mechanical Specifications

Installation

- [+] Maximum installation load **600 lbf** (2700 N)
1000 lbf (4545 N)-DXPCC only
- [+] Maximum Operation load **200 lbf** (890 N)

Temperature Range

- [+] Shipping and Storage **-40° F to +176° F** (-40° C to +80° C)
- [+] Installation **14° F to +80° F** (-10° C to +80° C)
- [+] Operation **-40° F to +176° F** (-40° C to +80° C)

Ordering Guide

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

Example: ezPREP® Loose Tube | Harsh Environment, Dielectric (Single Jacket), 48 multimode 62.5/125 Fibers (printed in feet)



- 1 PRINT**
F Feet
M Meters
- 2 PRODUCT FAMILY**
Indoor-Outdoor & Specialty Cables
ezPREP® Loose Tube | Indoor-Outdoor
DRLTB Non-Armor Riser (OFNR / FT-4)
DRLTC Non-Armor Riser, 2jkt (OFNR / FT-4)
DRLTD Armor Riser (OFNR / FT-4)
- 3 FIBERS/UNIT**
06 6 fibers/unit
12 12 fibers/unit
- 5 FIBER COUNT**
001 to 288 Fibers

4 FIBER TYPE	6 FIBER GRADE	WAVELENGTHS (nm)	ATTENUATION (dB/km)	BANDWIDTH (MHz-km)	1 GbE DISTANCE (m at 850/1300nm)	10 GbE DISTANCE (m at 850nm)
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 (1 GbE), 50um	71	850 / 1300	3.5 / 1.5	600 / 1200	750 / 2000	110
6H HiCap (1 GbE), 62.5um	81	850 / 1300	3.5 / 1.0	200 / 600	500 / 1000	65
53 MaxCap (10 GbE), 50um, 300m	92	850 / 1300	3.5 / 1.5	1500 / 500	1000 / 550	300
55 MaxCap (10 GbE), 50um, 550m	93	850 / 1300	3.5 / 1.5	3500 / 500	1100 / 550	550
SINGLEMODE						
SF Standard Loose Tube	4B	1310 / 1550	0.4 / 0.4			
ES ESMF Loose Tube	E1	1310 / 1383 / 1550	0.4 / 0.4 / 0.3			
BB BendBright Loose Tube	B1	1310 / 1383 / 1550	0.4 / 0.4 / 0.3			
BX BendBrightXS Loose Tube	X1	1310 / 1383 / 1550	0.4 / 0.4 / 0.3			

Other cable constructions and fiber performance grades available on request.



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