

Interlock Armor | Indoor

Indoor Flexible Armored Cables

Product Snapshot

Applications	Indoor Protective Crush Resistance & Fire Safety / Eliminates Need for Conduit
Constructions	Interlock Armor (Aluminum)
Flame Ratings	Riser (OFNR/FT-4) / Plenum (OFNP/FT-6) / LSZH versions
Fiber Count	2 to 288 fiber (Loose Tube) 2 to 144 fiber (ezDISTRIBUTION)
Fiber Types	Singlemode / Multimode (MaxCap 10 GbE & HiCap 1GbE) / Hybrid
Options	Flame Retardant Ratings / Bare, Stripe or Jacket / Aluminum or Steel
Performance	TIA/EIA-568B, ICEA, Telcordia GR-409, RoHS

Rugged indoor cable armor option uses a spiral wrapped interlocking metal tape for superior crush resistance while ensuring maximum flexibility.

Draka's interlocked armor design option is available for all inter- and intra-building cables. Interlocked armor eliminates the need for ductwork or conduit. Cables utilizing this armor option are ideally suited for routing inside plenum areas or in riser shafts.

Features & Benefits

Cable Features & Benefits

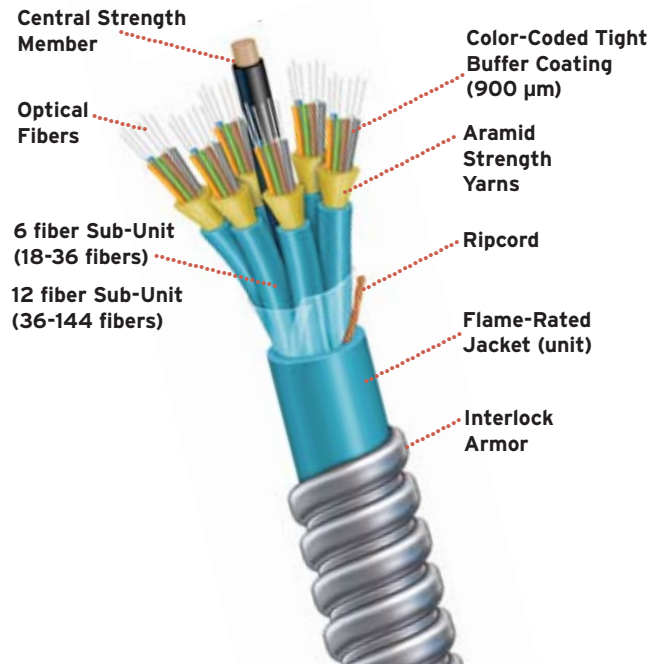
- [+] Easy cable installation
- [+] Designed for loose tube or tight buffered designs for optimal fiber performance
- [+] Color coded for easy identification
- [+] Eliminates need for ductwork or conduit

Flame-Retardant Safety

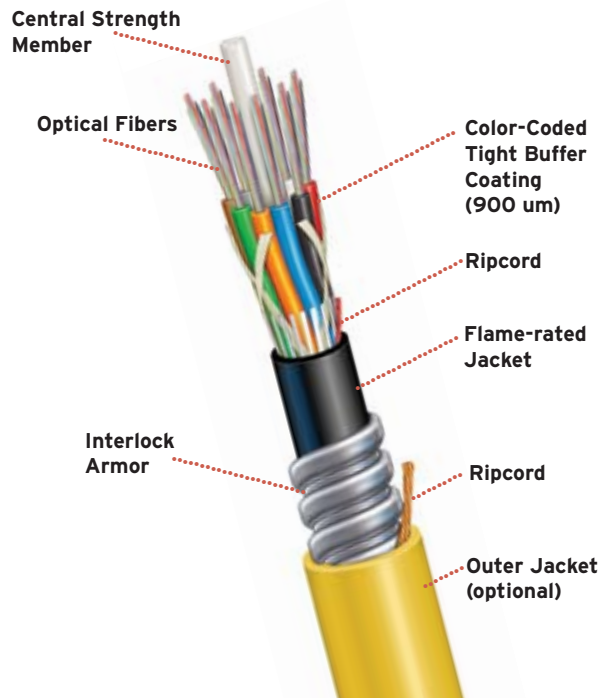
- [+] Versions for Riser (OFNR/FT-4), Plenum (OFNP/FT-6)

Reliable Performance

- [+] Flexible interlocked design simplifies routing preparation
- [+] Crush resistant armor eliminates the need for additional ducting



Interlock Armor | 36-fiber ezDISTRIBUTION



Interlock Armor | ezPREP Loose Tube

Interlock Armor | Indoor

Indoor Flexible Armored Cables

Interlock Armor (aluminum, jacketed) ezDISTRIBUTION | Indoor Riser

			400 AJ Series	OFCR, FT-4 rated	
Fiber Count	Fibers per unit	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2		0.52 (13.2)	119 (179)	10 (26)	8 (20)
4		0.55 (14.0)	127 (190)	11 (28)	8 (21)
6		0.57 (14.5)	131 (196)	11 (29)	9 (22)
8		0.57 (14.5)	134 (201)	11 (29)	9 (22)
10		0.59 (15.0)	137 (205)	12 (30)	9 (23)
12		0.61 (15.5)	145 (217)	12 (31)	9 (23)
18	6	0.85 (21.6)	279 (419)	17 (43)	13 (32)
24	6	0.85 (21.6)	270 (405)	17 (43)	13 (32)
30	6	0.90 (22.9)	307 (460)	18 (46)	13 (34)
36	6	0.95 (24.1)	374 (560)	19 (48)	14 (36)
36	12	0.96 (24.4)	374 (560)	19 (49)	15 (37)
48	12	0.96 (24.4)	365 (547)	19 (49)	15 (37)
60	12	1.03 (26.2)	411 (616)	20 (52)	15 (39)
72	12	1.10 (27.9)	469 (703)	22 (56)	17 (42)
96	12	1.35 (34.3)	671 (1006)	27 (69)	20 (51)
144	12	1.35 (34.3)	671 (1006)	27 (69)	20 (51)

Interlock Armor (aluminum, jacketed) ezDISTRIBUTION | Indoor Plenum

			800 AJ Series	OFCP, FT-6 rated	
Fiber Count	Fibers per unit or # of units	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2		0.43 (11.0)	120 (179)	9 (22)	7 (17)
4		0.44 (11.2)	127 (190)	9 (22)	7 (17)
6		0.46 (11.6)	130 (196)	9 (23)	7 (17)
8		0.46 (11.8)	135 (201)	9 (24)	7 (18)
10		0.48 (12.3)	137 (205)	10 (25)	7 (18)
12		0.50 (12.7)	142 (217)	10 (25)	7 (19)
18	6	0.67 (16.9)	248 (419)	13 (34)	10 (25)
24	6	0.67 (16.9)	248 (405)	13 (34)	10 (25)
30	6	0.75 (19.1)	312 (460)	15 (38)	11 (29)
36	6	0.81 (20.6)	349 (560)	16 (41)	12 (31)
36	12	0.83 (21.0)	349 (560)	17 (42)	13 (32)
48	12	0.83 (21.0)	362 (547)	17 (42)	13 (32)
60	12	0.89 (22.7)	420 (616)	18 (45)	13 (34)
72	12	0.95 (24.2)	537 (703)	19 (48)	14 (36)
96	12	1.10 (28.0)	760 (1006)	22 (56)	17 (42)
144	12	1.20 (30.6)	895 (1006)	24 (61)	18 (46)

Mechanical Specifications

Installation

[+] Maximum installation load	600 lbf (2700 N)
[+] Maximum operation load	200 lbf (890 N)

Temperature Range

[+] Shipping and Storage	-40° F to 176° F (-40° C to 80° C)
[+] Installation	32° F to 122° F (0° C to 50° C)
[+] Operation	-4° F to 176° F (-20° C to 80° C)

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.

Issue Date: 01.15.2007 / DS0020-01

Interlock Armor | Indoor

Indoor Flexible Armored Cables

Interlock Armor (aluminum, jacketed) ezDISTRIBUTION | Indoor-Outdoor Riser

Fiber Count	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	C1181 AJ Series Bend Radius Load inches (cm)	OFCR, FT-4 rated Bend Radius No Load inches (cm)
2	0.52 (13.3)	120 (180)	11 (27)	8 (20)
4	0.56 (14.1)	127 (190)	11 (28)	8 (21)
6	0.57 (14.5)	130 (195)	11 (29)	9 (22)
8	0.58 (14.8)	135 (202)	12 (30)	9 (22)
10	0.59 (15.0)	137 (205)	12 (30)	9 (23)
12	0.61 (15.5)	142 (213)	12 (31)	9 (23)

Interlock Armor (aluminum, jacketed) ezDISTRIBUTION | Indoor-Outdoor Plenum

Fiber Count	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	C1182 AJ Series Bend Radius Load inches (cm)	OFCR, FT-6 rated Bend Radius No Load inches (cm)
2	0.43 (11.0)	120 (180)	9 (22)	7 (17)
4	0.44 (11.2)	127 (190)	9 (22)	7 (17)
6	0.46 (11.6)	130 (195)	9 (23)	7 (17)
8	0.46 (11.8)	135 (202)	9 (24)	7 (18)
10	0.48 (12.3)	137 (205)	10 (25)	7 (18)
12	0.50 (12.7)	142 (213)	10 (25)	7 (19)

Mechanical Specifications

Installation

[+] Maximum installation load	600 lbf (2700 N)
[+] Maximum operation load	200 lbf (890 N)

Temperature Range

[+] Shipping and Storage	-40° F to 176° F (-40° C to 80° C)
[+] Installation	32° F to 122° F (0° C to 50° C)
[+] Operation	-4° F to 176° F (-20° C to 80° C)

Interlock Armor (aluminum, jacketed) ezPREP Loose Tube | Indoor-Outdoor Riser

Fiber Count	# Buffer Tubes Outer/Inner	Fibers per unit	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	OFCR, FT-4 rated Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 36	6	6	0.72 (18.3)	182 (272)	15 (37)	11 (27)
38 to 72	6	12	0.78 (19.8)	218 (326)	16 (40)	12 (30)
74 to 84	7	12	0.81 (20.6)	243 (362)	16 (41)	12 (31)
86 to 96	8	12	0.84 (21.4)	249 (372)	17 (43)	13 (32)
98 to 108	9	12	0.87 (22.2)	273 (408)	17 (44)	13 (33)
110 to 120	10	12	0.91 (23.0)	304 (454)	18 (46)	14 (35)
122 to 132	11	12	0.95 (24.1)	326 (487)	19 (48)	14 (36)
134 to 216	12/6	12	1.08 (27.3)	507 (757)	22 (55)	16 (41)
218 to 264	14/8	12	1.15 (29.1)	626 (934)	23 (58)	17 (44)
266 to 288	15/9	12	1.18 (29.9)	692 (1033)	24 (60)	18 (45)

Mechanical Specifications

Installation

[+] Maximum installation load	600 lbf (2700 N)
[+] 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 176° F (-10° C to 80° C)
[+] Operation	-40° F to 176° F (-40° C to 80° C)

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.

Issue Date: 01.15.2007 / DS0020-01

Interlock Armor | Indoor

Indoor Flexible Armored Cables

Interlock Armor (aluminum, jacketed) ezPREP Loose Tube | Indoor-Outdoor Plenum

DPLTB AJ Series

OFCP, FT-6 rated

Fiber Count	# Buffer Tubes Outer/Inner	Fibers per unit	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)	Max Installation Load (Pull Strength) lbs (newtons)	Max Operation Load lbs (newtons)
2 to 6	1	-	0.614 (15.6)	137 (205)	12 (31)	9 (23)	300 (1334)	90 (400)
8 to 12	1	12	0.614 (15.6)	139 (208)	12 (31)	9 (23)	300 (1334)	90 (400)
14 to 24	2	12	0.765 (19.4)	256 (382)	15 (39)	11 (29)	600 (2669)	180 (801)
26 to 48	4	12	0.765 (19.4)	256 (382)	15 (39)	11 (29)	600 (2669)	180 (801)
50 to 72	6	12	0.765 (19.4)	256 (382)	15 (39)	11 (29)	600 (2669)	180 (801)

Available to 216 fibers

Mechanical Specifications

Temperature Range

[+] Shipping and Storage	-40° F to 185° F (-40° C to 85° C)
[+] Installation	32° F to 140° F (0° C to 60° C)
[+] Operation	-40° F to 167° F (-40° C to 75° C)

Ordering Guide

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

Example: ezDISTRIBUTION™ | Indoor Riser (OFNR / FT-4), with Aluminum Interlock Armor (bare), multimode 62.5/125 Fibers (printed in feet)



- 1 PRINT**
F Feet
M Meters
- 2 PRODUCT FAMILY**
Tight Buffer Cables
ezDISTRIBUTION™ | Indoor
400 Distribution Riser (OFNR / FT-4)
800 Distribution Plenum (OFNP / FT-6)
LSZH Distribution LSZH (OFNR / FT-4 / LSZH)
ezDISTRIBUTION™ | Indoor-Outdoor (Tight Buffer)
C181 Distribution Riser (OFNR / FT-4)
C182 Distribution Plenum (OFNP / FT-6)
Loose Tube Cables
ezPREP® Loose Tube | Indoor-Outdoor
DRLTB Non-Armor Riser (OFNR / FT-4)
DPLTB Non-Armor Plenum (OFNP / FT-6)
RLTM Mining Riser (MSHA / OFNR / FT-4)
- 3 INTERLOCK ARMOR**
AB Aluminum Interlock Armor, Bare
AS Aluminum Interlock Armor, Striped
AJ Aluminum Interlock Armor, Jacketed
- 4 FIBERS/UNIT**
00 Non-grouped (thru 12 fibers)
06 6 fibers/unit
12 12 fibers/unit
- 5 FIBER TYPE**
- 6 FIBER COUNT**
001 to 288 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)
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	Tight Buffer 7B Loose Tube 4B	1310 / 1550 1310 / 1550	0.7 / 0.7 0.4 / 0.4			
ES ESMF	Tight Buffer EB Loose Tube E1	1310 / 1383 / 1550 1310 / 1383 / 1550	0.7 / 0.7 / 0.7 0.4 / 0.4 / 0.3			
BB BendBright	Tight Buffer B7 Loose Tube B1	1310 / 1383 / 1550 1310 / 1383 / 1550	0.7 / 0.7 / 0.7 0.4 / 0.4 / 0.3			
BX BendBrightXS	Tight Buffer X7 Loose Tube X1	1310 / 1383 / 1550 1310 / 1383 / 1550	0.7 / 0.7 / 0.7 0.7 / 0.7 / 0.7			

Other cable constructions and fiber performance grades available on request.

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.

Issue Date: 01.15.2007 / DS0020-01