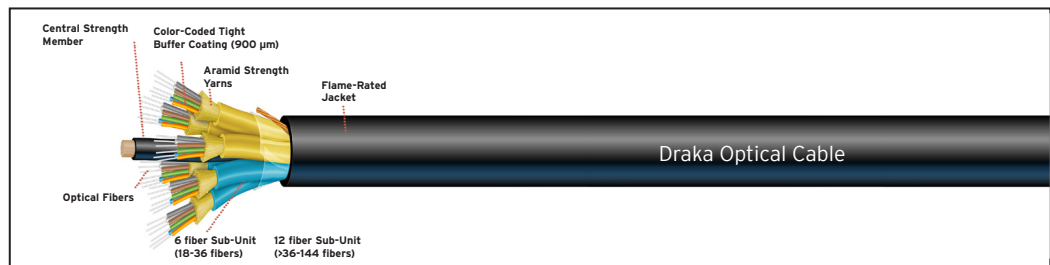


ezDISTRIBUTION™ | Indoor-Outdoor Tight Buffered Riser and Plenum Rated Cables



Product Snapshot

Applications	Versatile Indoor-Outdoor Tight Buffered Cable for use with field installable connectors.
Constructions	Single-Unit ($\leq 24f$); Subunits ($\geq 18f$); Interlock Armor optional
Flame Ratings	Riser (OFNR / OFCR / FT4); Plenum (OFNP / OFCP / FT6)
Fiber Count	2 to 144 fibers (Riser)/2 to 96 (Plenum)
Fiber Types	Single-Mode (ESMF, BendBright®, BendBright-XS®) Multimode (62.5/125-OM1, 50/125-OM2 & MaxCap 50/125-OM2+, OM3 & OM4)
Standards	TIA/EIA-568, ANSI/ICEA S-83-596, ANSI/ICEA S-104-696, UL-1666, NFPA 262, CSA 22.2 Telcordia GR-409, Telcordia GR-20, RoHS Compliant

This versatile indoor-outdoor flame-rated cable design combines standards compliant performance with the direct connectorization simplicity afforded by tight buffered fibers. These cables provide an effective solution for interbuilding and building transition applications utilizing field installable connectors.

This Draka ezDISTRIBUTION cable family packages up to 144 color-coded 900 μ m tight buffered fibers into a single flame retardant cable. This cable design is available in both riser rated and plenum rated versions for deployment in any inside plant fire-code application. The UV-resistant outer jacket, coupled with dry waterblocking technology, address environmental concerns for outdoor use. The tight buffered distribution cable supports standard installation practices and may be easily terminated using established field connectorization methods.

Features & Benefits

- 900 μ m tight buffered fibers designed to support rapid field termination
- Industry standard color coding for quick, error-free fiber identification
- Single-Unit designs provide space savings and cost advantages
- Subunit construction improves organization and termination practices

(Continued on next page)

Content may be subject to change without notification

RoHS
Compliant

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Features & Benefits (cont.)

- Available with bend-insensitive single-mode and multimode optical fibers
- Flexible, flame-retardant, and UV-stable outer jacket
- Optional Interlock Armor provides robust protection & supports one-step installation
- Supports all high performance networks including OM4/10 Gigabit Ethernet systems

ez DISTRIBUTION | Indoor-Outdoor Riser

C1181 Series

OFNR/FT4

Fiber Count	Fibers per Subunit	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	single-unit	0.19 (4.8)	15 (22)	3.8 (9.7)	1.9 (4.9)	300 (1335)	90 (400)
4	single-unit	0.22 (5.6)	19 (28)	4.4 (11.2)	2.2 (5.6)	300 (1335)	90 (400)
6	single-unit	0.24 (6.0)	21 (31)	4.8 (12.2)	2.4 (6.1)	300 (1335)	90 (400)
8	single-unit	0.25 (6.2)	23 (34)	5.0 (12.7)	2.5 (6.4)	300 (1335)	90 (400)
12	single-unit	0.28 (7.0)	30 (45)	5.6 (14.3)	2.8 (7.2)	300 (1335)	90 (400)
18	single-unit	0.28 (7.0)	35 (51)	5.5 (14.0)	2.8 (7.0)	300 (1335)	90 (400)
24	single-unit	0.32 (8.1)	43 (64)	6.4 (16.3)	3.2 (8.2)	300 (1335)	90 (400)
18	6	0.56 (14.2)	103 (153)	11.2 (28.5)	5.6 (14.3)	600 (2670)	180 (801)
24	6	0.56 (14.2)	103 (153)	11.2 (28.5)	5.6 (14.3)	600 (2670)	180 (801)
36	6	0.66 (16.8)	160 (238)	13.2 (33.6)	6.6 (16.8)	600 (2670)	180 (801)
48	12	0.66 (16.8)	140 (209)	13.2 (33.6)	6.6 (16.8)	600 (2670)	180 (801)
60	12	0.74 (18.8)	171 (254)	14.8 (37.6)	7.4 (18.8)	600 (2670)	180 (801)
72	12	0.80 (20.3)	208 (309)	16.0 (40.7)	8.0 (20.4)	600 (2670)	180 (801)
96	12	0.95 (24.2)	296 (441)	19.0 (48.3)	9.5 (24.2)	600 (2670)	180 (801)
144	12	1.02 (25.9)	347 (516)	20.4 (51.9)	10.2 (25.9)	600 (2670)	180 (801)

ez DISTRIBUTION | Indoor-Outdoor Plenum

C1182 Series

OFNP/FT6

Fiber Count	Fibers per Subunit	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	single-unit	0.18 (4.5)	9 (13)	3.6 (9.2)	1.8 (4.6)	150 (666)	45 (199.8)
4	single-unit	0.18 (4.6)	14 (21)	3.6 (9.2)	1.8 (4.6)	150 (666)	45 (199.8)
6	single-unit	0.20 (5.0)	15 (22)	4.0 (10.2)	2.0 (5.1)	150 (666)	45 (199.8)
8	single-unit	0.20 (5.2)	18 (27)	4.0 (10.2)	2.0 (5.1)	150 (666)	45 (199.8)
12	single-unit	0.24 (6.1)	22 (33)	4.8 (12.2)	2.4 (6.1)	150 (666)	45 (199.8)
18	single-unit	0.26 (6.5)	32 (48)	5.1 (13.0)	2.6 (6.5)	150 (666)	45 (199.8)
24	single-unit	0.30 (7.6)	42 (62)	6.0 (15.3)	3.0 (7.7)	150 (666)	45 (199.8)
18	6	0.41 (10.4)	86 (128)	8.2 (20.9)	4.1 (10.5)	400 (1800)	120 (540)
24	6	0.41 (10.4)	79 (117)	8.2 (20.9)	4.1 (10.5)	400 (1800)	120 (540)
36	6	0.54 (13.9)	132 (196)	10.8 (27.5)	5.4 (13.8)	400 (1800)	120 (540)
48	12	0.55 (13.9)	140 (209)	11.0 (28.0)	5.5 (14.0)	400 (1800)	120 (540)
60	12	0.63 (16.0)	173 (257)	12.6 (32.0)	6.3 (16.0)	400 (1800)	120 (540)
72	12	0.65 (16.6)	210 (312)	13.0 (33.1)	6.5 (16.6)	600 (2670)	180 (801)
96	12	0.84 (21.3)	345 (514)	16.8 (42.7)	8.4 (21.4)	600 (2670)	180 (801)

Temperature Range

- Shipping and Storage (Riser) -40° F to +176° F (-40° C to +80° C)
(Plenum) -40° F to +176° F (-40° C to +80° C)
- Installation (Riser) +14° F to +140° F (-10° C to +60° C)
(Plenum) +32° F to +140° F (-0° C to +60° C)
- Operation (Riser) -40° F to +176° F (-40° C to +80° C)
(Plenum) -40° F to +176° F (-40° C to +80° 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: ezDISTRIBUTION Tight Buffered | Indoor-Outdoor Riser (OFNR/FT4), | 12 fiber subunits | 48 62.5/125 Multimode Fibers total (printed in feet)

LENGTH MARKINGS	PRODUCT FAMILY	INTERLOCK ARMOR (OPTIONAL)	FIBER GROUPING	FIBER TYPE	FIBER COUNT	FIBER GRADE
1 F	2 C1181	3 BLANK	4 12	5 6S	6 048	7 M2

Part Number Construction

- Length Markings**
F = Feet or M = Meters
- Product Family**
Refer to Table 1 - Product Information
- Interlock Armor**
(blank) = none
AJ = Jacketed aluminum
SJ = Jacketed steel
- Fiber Grouping**
00 = single-unit
06 = 6f per subunit
12 = 12f per subunit
- Fiber Type**
Refer to Table 2 - Fiber Information
- Fiber count**
(example 012 = 12f)
- Fiber Grade**
Refer to Table 2 - Fiber Information

Table 1 - Product Information

Product Code	Fiber Count	Description	Use Fiber Info	Flame Rating
Tight Buffered Products				
ezDISTRIBUTION				
		Riser / FT4		
C1181	2 to 144	ezDISTRIBUTION Indoor-Outdoor Riser	TB	OFNR / FT4
		Plenum / FT6		
C1182	2 to 96	ezDISTRIBUTION Indoor-Outdoor Plenum	TB	OFNP / FT6

Table 2 - Fiber Information

5 Fiber Type	Description	7 Fiber Grade	Wavelength (nm)	Attenuation (dB/km)	Bandwidth (MHz km)	1 GbE Xmsn Distance (meters)	10 GbE Xmsn Distance (meters)
Tight Buffered (TB)							
Single-mode	ES	Enhanced Single-mode	EB	1310/1383/1550	0.7/0.7/0.7		
	BB	BendBright	EB	1310/1383/1550	0.7/0.7/0.7		
	BX	BendBright-XS	EB	1310/1383/1550	0.7/0.7/0.7		
Multimode	6S	OM1 (62.5µm)	M2	850/1300	3.5/1.0	200/500	300/550
	5S	OM2 (50µm)	M1	850/1300	3.5/1.5	500/500	550/550
	51	MaxCap OM2+ (50µm)	M1	850/1300	3.5/1.5	700/500	800/550
	53	MaxCap OM3 (50µm)	M1	850/1300	3.5/1.5	1500/500	1000/550
	55	MaxCap OM4 (50µm)	M1	850/1300	3.5/1.5	3500/500	1100/550

Other cable constructions and fiber performance grades available upon request.

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