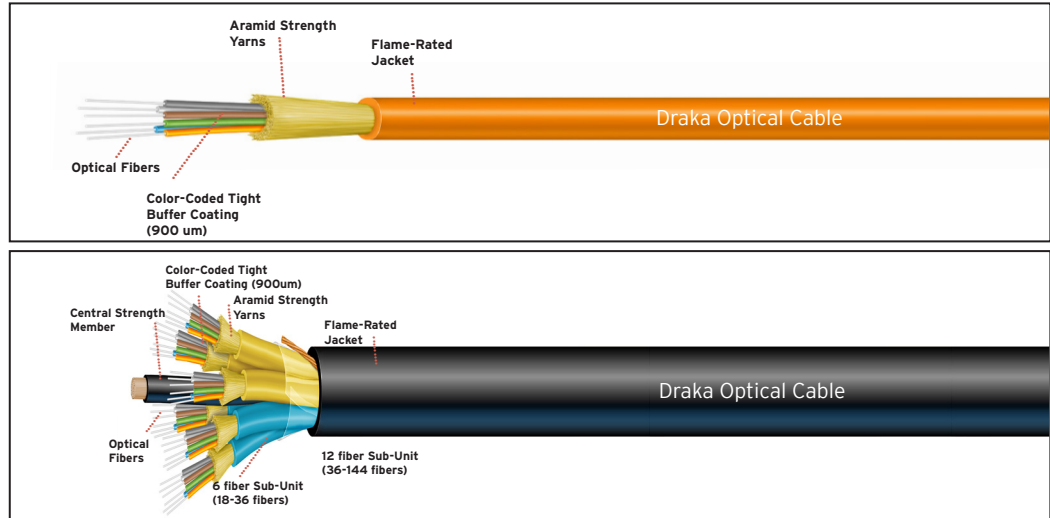


ezDISTRIBUTION™ | Indoor Tight Buffered Riser and Plenum Rated Cables



Product Snapshot

Applications	Versatile Indoor Flame-Rated Cable providing unsurpassed performance for intrabuilding applications that require crossing floors in multi-level buildings or placement in air handling spaces
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 (Riser)/2 to 96 (Plenum)
Fiber Types	Single-mode (ESMF, BendBright®, BendBright-XS®) Multimode (62.5/125-OM1, 50/125-MaxCap-BB-OM2+, OM3 & OM4)
Standards	ANSI/ICEA S-83-596, UL-1666, NFPA 262, CSA 22.2 No 230, Telcordia GR-409, RoHS Compliant

Draka's popular indoor tight buffered cables will assure reliable broadband performance, meet flame retardant safety codes, and support easy field termination

This Draka ezDISTRIBUTION cable family packages up to 144 color-coded 900µm 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 indoor application. The tight buffered distribution cable supports standard installation practices and may be easily terminated using established field connectorization methods.

Features & Benefits

- 900µm 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
- Available with bend-insensitive single-mode and multimode optical fibers
- Flexible, flame-retardant, and color coded outer jacket
- Optional interlock armor provides robust protection & supports one-step installation
- Supports all high performance networks including OM4/10 Gigabit Ethernet systems

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Content may be subject to change without notification

RoHS
Compliant

DS042 11/11/2016-V6

ez DISTRIBUTION | Indoor Riser

400 Series

OFNR/FT4

Fiber Count	Fiber 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 lbs (newtons)	Max Operation Load lbs (newtons)
2	single-unit	0.19 (4.8)	15 (22)	3.8 (9.7)	1.9 (4.9)	148 (660)	44.4 (198)
4	single-unit	0.22 (5.6)	19 (28)	4.4 (11.2)	2.2 (5.6)	148 (660)	44.4 (198)
6	single-unit	0.24 (6.0)	21 (31)	4.8 (12.2)	2.4 (6.1)	148 (660)	44.4 (198)
8	single-unit	0.25 (6.2)	23 (34)	5.0 (12.7)	2.5 (6.4)	148 (660)	44.4 (198)
12	single-unit	0.28 (7.0)	30 (45)	5.6 (14.3)	2.8 (7.2)	148 (660)	44.4 (198)
18	single-unit	0.28 (7.0)	35 (51)	5.5 (14.0)	2.8 (7.0)	296 (1320)	88.8 (396)
24	single-unit	0.32 (8.1)	43 (64)	6.4 (16.3)	3.2 (8.2)	296 (1320)	88.8 (396)
18	6	0.52 (13.3)	90 (134)	10.4 (26.5)	5.2 (13.2)	296 (1320)	88.8 (396)
24	6	0.52 (13.3)	90 (134)	10.4 (26.5)	5.2 (13.2)	296 (1320)	88.8 (396)
36	6	0.63 (15.9)	143 (213)	12.6 (32.0)	6.3 (16.0)	296 (1320)	88.8 (396)
48	12	0.63 (15.9)	126 (187)	12.6 (32.0)	6.3 (16.0)	296 (1320)	88.8 (396)
60	12	0.70 (17.8)	155 (230)	14.0 (35.6)	7.0 (17.8)	296 (1320)	88.8 (396)
72	12	0.77 (19.5)	190 (282)	15.4 (39.2)	7.7 (19.6)	296 (1320)	88.8 (396)
96	12	0.96 (24.3)	274 (408)	19.2 (48.8)	9.6 (24.4)	296 (1320)	88.8 (396)
144	12	1.02 (26.0)	323 (481)	20.4 (51.2)	10.2 (25.9)	296 (1320)	88.8 (396)

ez DISTRIBUTION | Indoor Plenum

800 Series

OFNP/FT6

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)	Max Installation Load (Pull Strength) lbs (newtons)	Max Operation Load lbs (newtons)
2	single-unit	0.16 (4.2)	9 (13)	3.2 (8.2)	1.6 (4.1)	98.9 (440)	29.6 (132)
4	single-unit	0.17 (4.3)	14 (21)	3.4 (8.7)	1.7 (4.4)	98.9 (440)	29.6 (132)
6	single-unit	0.18 (4.7)	15 (22)	3.6 (9.2)	1.8 (4.6)	98.9 (440)	29.6 (132)
8	single-unit	0.20 (5.0)	18 (27)	4.0 (10.2)	2.0 (5.1)	98.9 (440)	29.6 (132)
12	single-unit	0.23 (5.8)	22 (33)	4.6 (11.7)	2.3 (5.9)	98.9 (440)	29.6 (132)
18	single-unit	0.26 (6.5)	32 (48)	5.1 (13.0)	2.6 (6.5)	148 (660)	44.4 (198)
24	single-unit	0.30 (7.6)	42 (62)	6.0 (15.3)	3.0 (7.7)	148 (660)	44.4 (198)
18	6	0.41 (10.3)	73 (108)	8.2 (20.9)	4.1 (10.5)	148 (660)	44.4 (198)
24	6	0.41 (10.3)	67 (99)	8.2 (20.9)	4.1 (10.5)	148 (660)	44.4 (198)
36	6	0.51 (12.9)	115 (171)	10.2 (25.9)	5.1 (13.0)	148 (660)	44.4 (198)
48	12	0.53 (13.3)	123 (183)	10.6 (27.0)	5.3 (13.5)	148 (660)	44.4 (198)
60	12	0.59 (15.0)	153 (228)	11.8 (30.0)	5.9 (15.0)	148 (660)	44.4 (198)
72	12	0.65 (16.6)	188 (280)	13.0 (33.1)	6.5 (16.6)	148 (660)	44.4 (198)
96	12	0.80 (20.4)	317 (471)	16.0 (40.7)	8.0 (20.4)	148 (660)	44.4 (198)

Outer Jacket Color Identification

- Orange Multimode OM1 and OM2+
- Aqua Multimode OM3 and OM4
- Yellow Single-mode
- Black Hybrid

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) -4° F to +176° F (-20° C to +80° C)
(Plenum) +32° F to +176° F (0° 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 Riser | Single-Unit | 12 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	2 400	3 BLANK	4 00	5 6S	6 012	7 M2

Part Number Construction

- 1 Length Markings**
F = Feet or M = meters
- 2 Product Family**
Refer to Table 1 - Product Information
- 3 Interlock Armor**
(blank) = none
AJ = Jacketed aluminum
SJ = Jacketed steel
- 4 Fiber Grouping**
00 = Single-Unit
06 = 6f per unit or tube
12 = 12f per unit or tube
- 5 Fiber Type**
Refer to Table 2 - Fiber Information
- 6 Fiber count**
(example: 012 = 12f)
- 7 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		
400	2 to 144	ezDISTRIBUTION Indoor Riser	TB	OFNR / FT4
		Plenum / FT6		
800	2 to 96	ezDISTRIBUTION Indoor 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 Distance (meters)	10 GbE 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	33/- - -
	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	82/- - -
	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 on request.

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