



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



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.

Overview

Prysmian's ezDISTRIBUTION cable family packages up to 144 color-coded 900 µm 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.

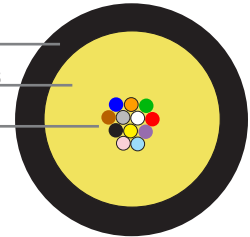
Product Snapshot

Applications	Versatile indoor-outdoor tight buffered cable for use with field installable connectors.
Constructions	Single-Unit (≤ 24f); Subunits (≥ 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, bend-insensitive) multimode (62.5/125-OM1, 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, CE RoHS Compliant
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

Flame Retardant Jacket

Water Blocking Strength Members

Optical Fibers



Feature and Benefits

- 900 µm 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 UV-stable outer jacket
- Optional Interlock Armor provides robust protection and supports one-step installation
- Supports all high performance networks including OM4/10 Gigabit Ethernet systems



ezDISTRIBUTION™ | Indoor-Outdoor Tight Buffered

Riser and Plenum Rated Cables

ezDISTRIBUTION | 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)	100 (445)	30 (133)
4	single-unit	0.22 (5.6)	19 (28)	4.4 (11.2)	2.2 (5.6)	100 (445)	30 (133)
6	single-unit	0.24 (6.0)	21 (31)	4.8 (12.2)	2.4 (6.1)	100 (445)	30 (133)
8	single-unit	0.25 (6.2)	23 (34)	5.0 (12.7)	2.5 (6.4)	100 (445)	30 (133)
12	single-unit	0.28 (7.0)	30 (45)	5.6 (14.3)	2.8 (7.2)	150 (666)	45 (200)
18	single-unit	0.305 (7.7)	36 (53)	6.1 (15.5)	3.0 (7.6)	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	0.53 (13.5)	103 (153)	11.2 (28.5)	5.6 (14.3)	600 (2670)	180 (801)
24	6	0.53 (13.5)	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)

Note: Cable damage may occur if installation temperature limits are exceeded; therefore, Prysmian Group recommends storing I/O cables in appropriate temperature conditions ≥ 24 hours prior to placement.

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)

ezDISTRIBUTION™ | Indoor-Outdoor Tight Buffered

Riser and Plenum Rated Cables

ezDISTRIBUTION | 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)	100 (445)	30 (133)
4	single-unit	0.18 (4.6)	14 (21)	3.6 (9.2)	1.8 (4.6)	100 (445)	30 (133)
6	single-unit	0.20 (5.0)	15 (22)	4.0 (10.2)	2.0 (5.1)	100 (445)	30 (133)
8	single-unit	0.20 (5.2)	18 (27)	4.0 (10.2)	2.0 (5.1)	100 (445)	30 (133)
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)

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 (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)