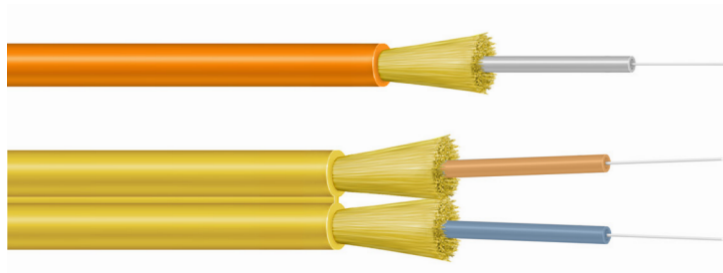




ezINTERCONNECT™ | Indoor Tight Buffered

Riser, LSZH Riser, and Plenum Rated Cables



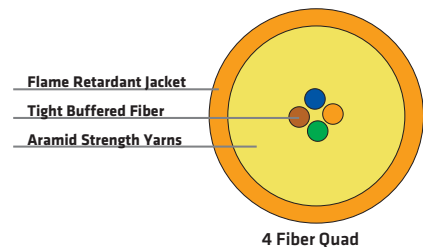
Prysmian's indoor tight buffered interconnect cables meet flame retardant safety codes and are easy to terminate to construct jumper / pigtail assemblies. These cables form the foundation for network connections that will assure reliable broadband performance.

Overview

Prysmian's ezINTERCONNECT cable family includes cable designs of one and two 900µm tight buffered fibers into a single flame retardant cable. Cable designs are available in both riser rated and plenum rated versions for deployment in any indoor application. A riser LSZH option is also available. The duplex (two fiber) versions are commonly in "zipcord" or "round" arrangement. Also available in round constructions with 4 fibers (duplex and quad).

Product Snapshot

Applications	Versatile indoor flame-rated cable providing unsurpassed performance for network patching/configuration. Easily terminated into jumper/pigtail cable assemblies.
Constructions	1 fiber simplex, 2 fiber zipcord, 2 fiber round duplex, 4 fiber round quad
Flame Ratings	Riser (OFNR / FT4); Plenum (OFNP / FT6)
Fiber Count	1 to 4 fibers
Fiber Types	Single-mode (ESMF, bend-insensitive) multimode (62.5/125-OM1, 50/125-OM2+, OM3 and OM4)
Standards	ANSI/ICEA S-83-596, UL 1666, NFPA 262, CSA 22.2 No 230, Telcordia GR-409, CE RoHS compliant
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



Features and Benefits

- 900µm and 600µm tight buffered fibers designed to support rapid termination
- Available in 2.9mm, 2.0mm and 1.6mm zipcord designs
- Available in 4.8mm and 2.9mm round designs
- LSZH constructions available
- Available with bend-insensitive single-mode and multimode optical fibers
- Flexible, flame-retardant and color coded outer jacket
- Supports all high performance networks including OM4/10 gigabit ethernet systems



ezINTERCONNECT™ | Indoor Tight Buffered

Riser, LSZH Riser, and Plenum Rated Cables

ezINTERCONNECT | Indoor Riser | 516, 520, 529 Series | OFNR/FT4

Fiber Count	Cable Type	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)
1	516	0.063 (1.6)	2 (3)	1.3 (3.2)	0.7 (1.6)	9 (40)	3 (13)
1	520	0.079 (2.0)	2 (4)	1.6 (4.0)	0.8 (2.0)	9 (40)	3 (13)
1	529	0.114 (2.9)	5 (7)	2.3 (5.8)	1.2 (2.9)	22 (100)	7 (30)
2 (Zipcord)	516Z	0.063 x 0.146 (1.6 x 3.7)	4 (6)	1.3 (3.2)	0.7 (1.6)	9 (40)	3 (13)
2 (Zipcord)	520Z	0.079 x 0.171 (2.0 x 4.4)	5 (8)	1.6 (4.0)	0.8 (2.0)	9 (40)	3 (13)
2 (Zipcord)	529Z	0.114 x 0.246 (2.9 x 6.3)	9 (14)	2.3 (5.8)	1.2 (2.9)	50 (220)	15 (66)
2 (Duplex, round)	529R	0.114 (2.9)	5 (7)	2.3 (5.8)	1.2 (2.9)	50 (220)	15 (66)
2	548R	0.189 (4.8)	12 (18)	3.8 (9.6)	1.9 (4.8)	50 (220)	15 (66)
4	548R	0.189 (4.8)	12 (18)	3.8 (9.6)	1.9 (4.8)	50 (220)	15 (66)

ezINTERCONNECT | LSZH Riser | LSZH16, LSZH20, LSZH29 Series | OFNR/FT4

Fiber Count	Cable Type	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)
1	LSZH16	0.063 (1.6)	2 (3)	1.3 (3.2)	0.7 (1.6)	9 (40)	3 (13)
1	LSZH20	0.079 (2.0)	2 (4)	1.6 (4.0)	0.8 (2.0)	9 (40)	3 (13)
1	LSZH29	0.114 (2.9)	5 (7)	2.3 (5.8)	1.2 (2.9)	22 (100)	7 (30)
2 (Zipcord)	LSZH16Z	0.063 x 0.146 (1.6 x 3.7)	4 (6)	1.3 (3.2)	0.7 (1.6)	9 (40)	3 (13)
2 (Zipcord)	LSZH20Z	0.079 x 0.171 (2.0 x 4.4)	5 (8)	1.6 (4.0)	0.8 (2.0)	9 (40)	3 (13)
2 (Zipcord)	LSZH29Z	0.114 x 0.246 (2.9 x 6.3)	9 (14)	2.3 (5.8)	1.2 (2.9)	50 (220)	15 (66)
2 (Duplex, oval)	LSZH29R	0.203 x 0.316 (5.2 x 8.0)	32 (47)	2.3 (5.8)	1.2 (2.9)	50 (220)	15 (66)

Outer Jacket Color Identification

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

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)

ezINTERCONNECT™ | Indoor Tight Buffered

Riser, LSZH Riser, and Plenum Rated Cables

ezINTERCONNECT | Indoor Plenum | 816, 820, 829 Series | OFNP/FT6

Fiber Count	Cable Type	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)
1	816	0.063 (1.6)	2 (3)	1.3 (3.2)	0.7 (1.6)	9 (40)	3 (13)
1	820	0.079 (2.0)	2 (4)	1.6 (4.0)	0.8 (2.0)	9 (40)	3 (13)
1	829	0.114 (2.9)	5 (7)	2.3 (5.8)	1.2 (2.9)	22 (100)	7 (30)
2 (Zipcord)	816Z	0.063 x 0.146 (1.6 x 3.7)	4 (6)	1.3 (3.2)	0.7 (1.6)	9 (40)	3 (13)
2 (Zipcord)	820Z	0.079 x 0.171 (2.0 x 4.4)	5 (8)	1.6 (4.0)	0.8 (2.0)	9 (40)	3 (13)
2 (Zipcord)	829Z	0.114 x 0.246 (2.9 x 6.3)	11 (16)	2.3 (5.8)	1.2 (2.9)	50 (220)	15 (66)
2	848R	0.189 (4.8)	14 (20)	3.8 (9.6)	1.9 (4.8)	50 (220)	15 (66)
4	848R	0.189 (4.8)	14 (20)	3.8 (9.6)	1.9 (4.8)	50 (220)	15 (66)

Outer Jacket Color Identification

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

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)

Ordering Guide

The Prysmian Group 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: ezINTERCONNECT 2.9 mm simplex | riser rated (OFNR/FT4) | with one multimode 62.5/125 fiber (printed in feet)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	529	BLANK	00	G6	001	M2

CABLE INFORMATION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

900µm Tight Buffered Products

ezINTERCONNECT Simplex & Duplex

516 = 1f | ezINTERCONNECT Riser Simplex (1.6mm) TB | OFNR / FT4

520 = 1f | ezINTERCONNECT Riser Simplex (2.0mm) TB | OFNR / FT4

529 = 1f | ezINTERCONNECT Riser Simplex (2.9mm) TB | OFNR / FT4

516Z = 2f | ezINTERCONNECT Riser Zipcord (1.6mm) TB | OFNR / FT4

520Z = 2f | ezINTERCONNECT Riser Zipcord (2.0mm) TB | OFNR / FT4

529Z = 2f | ezINTERCONNECT Riser Zipcord (2.9mm) TB | OFNR / FT4

529R = 2f | ezINTERCONNECT Riser Round (2.9mm) TB | OFNR / FT4

548R = 2f or 4f | ezINTERCONNECT Riser Round (4.8mm) TB | OFNR / FT4

816 = 1f | ezINTERCONNECT Plenum Simplex (1.6mm) TB | OFNP / FT6

820 = 1f | ezINTERCONNECT Plenum Simplex (2.0mm) TB | OFNP / FT6

829 = 1f | ezINTERCONNECT Plenum Simplex (2.9mm) TB | OFNP / FT6

816Z = 2f | ezINTERCONNECT Plenum Zipcord (1.6mm) TB | OFNP / FT6

820Z = 2f | ezINTERCONNECT Plenum Zipcord (2.0mm) TB | OFNP / FT6

829Z = 2f | ezINTERCONNECT Plenum Zipcord (2.9mm) TB | OFNP / FT6

829R = 2f | ezINTERCONNECT Plenum Round (2.9mm) TB | OFNP / FT6

848R = 2f or 4f | ezINTERCONNECT Plenum Round (4.8mm) TB | OFNP / FT6

LSZH16 = 1f | ezINTERCONNECT LSZH Riser Simplex (1.6mm) TB | OFNR/FT4

LSZH20 = 1f | ezINTERCONNECT LSZH Riser Simplex (2.0mm) TB | OFNR/FT4

LSZH29 = 1f | ezINTERCONNECT LSZH Riser Simplex (2.9mm) TB | OFNR/FT4

LSZH16Z = 2f | ezINTERCONNECT LSZH Riser Zipcord (1.6mm) TB | OFNR/FT4

LSZH20Z = 2f | ezINTERCONNECT LSZH Riser Zipcord (2.0mm) TB | OFNR/FT4

LSZH29Z = 2f | ezINTERCONNECT LSZH Riser Zipcord (2.9mm) TB | OFNR/FT4

LSZH29R = 2f | ezINTERCONNECT LSZH Riser Round (2.9mm) TB | OFNR/FT4

3 CONSTRUCTION

(blank) = none

4 FIBER GROUPING

00 = no grouping (single-unit)

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

HB = Single-Mode (ITU G.652 C & D) Low Water Peak

ES = Enhanced Single-Mode (ITU G.652 C & D)

CE = Corning™ SMF28e+ Single-Mode

B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)

B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)

MULTIMODE	Wavelength (nm)	Bandwidth (MHz)	1 GbE Dist (m)	10 GbE Dist (m)
G6 = OM1 (62.5µm)	850/1300	200/500	300/550	33/___
G5 = OM2+ BIF (50µm)	850/1300	700/500	800/550	150/___
G3 = OM3 BIF (50µm)	850/1300	1500/500	1000/550	300/___
G4 = OM4 BIF (50µm)	850/1300	3500/500	1100/550	550/___

6 FIBER COUNT

001 to 002 fibers

7 FIBER GRADE

SINGLE-MODE

Attenuation (dB/km)	Wavelength (nm)	Fiber Type
EB = 0.7/0.7/0.7	1310/1383/1550	Enhanced Single-Mode
EA = 0.5/0.5/0.5	1310/1383/1550	Bend-Insensitive Single-Mode
E7 = 0.4/0.4/0.3	1310/1383/1550	Bend-Insensitive Single-Mode

MULTIMODE

Attenuation (dB/km)	Wavelength (nm)	Fiber Type
M2 = 3.5/1.0	850/1300	OM1 (62.5µm)
M3 = 3.0/1.0	850/1300	OM2+, OM3, OM4 (50µm)

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