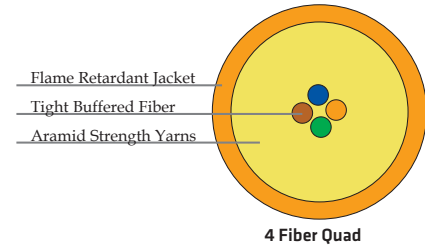
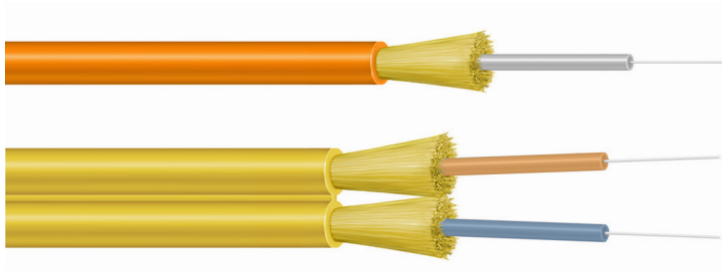




ezINTERCONNECT™ | Indoor Tight Buffered

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, RoHS compliant



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)



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																										
ES = Enhanced Single-Mode (ITU G.652 C & D)																										
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																										
	<table border="1"> <thead> <tr> <th></th> <th>Wavelength (nm)</th> <th>Bandwidth (MHz)</th> <th>1 GbE Dist (m)</th> <th>10 GbE Dist (m)</th> </tr> </thead> <tbody> <tr> <td>G6 = OM1 (62.5µm)</td> <td>850/1300</td> <td>200/500</td> <td>300/550</td> <td>33/___</td> </tr> <tr> <td>G5 = OM2+ BIF (50µm)</td> <td>850/1300</td> <td>700/500</td> <td>800</td> <td>150/___</td> </tr> <tr> <td>G3 = OM3 BIF (50µm)</td> <td>850/1300</td> <td>1500/500</td> <td>1000</td> <td>300/___</td> </tr> <tr> <td>G4 = OM4 BIF (50µm)</td> <td>850/1300</td> <td>3500/500</td> <td>1100</td> <td>550/___</td> </tr> </tbody> </table>		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	150/___	G3 = OM3 BIF (50µm)	850/1300	1500/500	1000	300/___	G4 = OM4 BIF (50µm)	850/1300	3500/500	1100	550/___
	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	150/___																						
G3 = OM3 BIF (50µm)	850/1300	1500/500	1000	300/___																						
G4 = OM4 BIF (50µm)	850/1300	3500/500	1100	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)																								
Other cable constructions and fiber performance grades available on request.																										

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