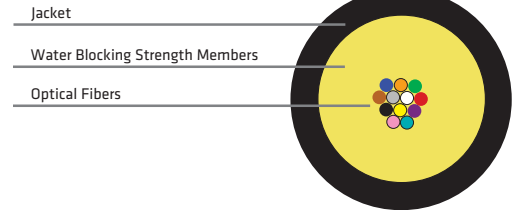




ezDISTRIBUTION™ Indoor/Outdoor LSZH | TB | Low Emission

Low-smoke zero-halogen cables, IEC verified for flame and smoke – OFNR Rated



Popular indoor cables for spaces demanding the additional safety of low smoke and emission characteristics – without the presence of halogen. Suitable for indoor/outdoor applications in conduit.

Overview

Prysmian's Low Smoke Zero Halogen (LSZH) cables are intended for use in demanding environments that require cables to meet high fire safety standards. May be deployed in a variety of applications which may include riser, ducts or cable trays.

Product Snapshot

| | |
|---------------------|--|
| Applications | Versatile indoor and outdoor cable, low emission fire protection in crowded spaces, Some versions combine LSZH with riser rating for indoor performance. |
| Construction | Distribution (900µm)/Breakout (2.5mm) |
| Fiber Count | 2 to 24 (Distribution) |
| Fiber Types | Multimode fibers (62.5/125-OM2, 50/125-OM2, OM3 and OM4) |
| Options | Indoor/outdoor versions (loose tube) / interlock armor / preconnectorized |
| Standards | TIA / EIA-568C.3, ANSI / ICEA S-83-596, Telecordia GR-409, CE RoHS Compliant Meets the following IEC specifications - IEC 60332-3-24 Category C - IEC 60332-1-2 - IEC 60332-2-2 - IEC 61034-2 - IEC 60754-1 - IEC 60754-2 |

Registered Supplier

- ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

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Features and Benefits

Easy Cable Installation & Termination

- 900µm tight buffered fibers can be directly terminated
- Color-coded fibers & numbered sub-units simplify identification
- Colored rip cords for ease of identification and jacket removal
- Interlock armor option available

Safety Ratings

- LSZH Riser OFNR-LS/FT4 per NEC 770 and CSA 22.2 No.232

Reliable Performance

- Guaranteed 10 Gigabit & 1 Gigabit Ethernet transmission lengths
- Guaranteed standards-based performance
- Available in 62.5µm, 50µm, single-mode and hybrid version

Temperature Range

| | | |
|----------------------|-------------------|--------------------|
| Shipping and Storage | -40° F to +176° F | (-40° C to +80° C) |
| Installation | 14° F to +122° F | (-10° C to +50° C) |
| Operation | -40° F to +176° F | (-20° C to +80° C) |



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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: ezDISTRIBUTION | LSZH 700 series, indoor/outdoor riser (OFNR / FT-4), 24 62.5/125 multimode fibers (printed in feet)

| | | | | | | |
|--------------------------|-------------------------|-----------------------|-------------------------|---------------------|----------------------|----------------------|
| 1 LENGTH MARKINGS | 2 PRODUCT FAMILY | 3 CONSTRUCTION | 4 FIBER GROUPING | 5 FIBER TYPE | 6 FIBER COUNT | 7 FIBER GRADE |
| F | 700 | BLANK | 00 | G6 | 024 | M2 |

| CABLE INFORMATION | | |
|-------------------|------------------------|--|
| 1 | LENGTH MARKINGS | F = Feet or M = Meters |
| 2 | PRODUCT FAMILY | 700 = ezDISTRIBUTION Riser LSZH Tight Buffer -In/outdoor Flame Rating: OFNR/FT4 |
| 3 | CONSTRUCTION | (blank) = none A) = Jacketed aluminum S) = Jacketed steel |
| 4 | FIBER GROUPING | 12 = 12f per unit or tube |

| 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 | 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 | 02 to 72 fibers | | |

| SINGLE-MODE | | | MULTIMODE | | |
|---------------------|-----------------|------------------------------|--|-----------------|-----------------------|
| Attenuation (dB/km) | Wavelength (nm) | Fiber Type | Attenuation (dB/km) | Wavelength (nm) | Fiber Type |
| EB = 0.7/0.7/0.7 | 1310/1383/1550 | Enhanced Single-Mode | M2 = 3.5/1.0 | 850/1300 | OM1 (62.5µm) |
| EA = 0.5/0.5/0.5 | 1310/1383/1550 | Bend-Insensitive Single-Mode | M3 = 3.0/1.0 | 850/1300 | OM2+, OM3, OM4 (50µm) |
| E7 = 0.4/0.4/0.3 | 1310/1383/1550 | Bend-Insensitive Single-Mode | Other cable constructions and fiber performance grades available on request. | | |

Nominal Design Parameters

ezDISTRIBUTION™ | LSZH Indoor/Outdoor | 700 Series | OFNR, FT-4, LSZH Rated

| Fiber Count | Number of Buffer Tubes | Diameter inches (mm) | Cable Weight lb/kft (kg/km) | Bend Radius UNDER LOAD inches (cm) | Bend Radius NO LOAD inches (cm) | Max Installation LOAD (pull strength) lbs (newtons) | Max Operation LOAD lbs (newtons) |
|-------------|------------------------|----------------------|-----------------------------|------------------------------------|---------------------------------|---|----------------------------------|
| 2 | single-unit | 0.20 (5.0) | 15 (26) | 3.9 (10.0) | 3 (8) | 150 (660) | 45 (200) |
| 4 | single-unit | 0.21 (5.2) | 21 (29) | 4.1 (10.4) | 3 (8) | 150 (660) | 45 (200) |
| 6 | single-unit | 0.21 (5.2) | 22 (29) | 4.1 (10.4) | 3 (8) | 150 (660) | 45 (200) |
| 8 | single-unit | 0.23 (5.9) | 24 (31) | 4.7 (12.0) | 3.5 (8.9) | 150 (660) | 45 (200) |
| 10 | single-unit | 0.24 (6.1) | 24 (33) | 4.8 (12.2) | 3.6 (9.2) | 150 (660) | 45 (200) |
| 12 | single-unit | 0.24 (6.2) | 31 (34) | 4.9 (12.4) | 3.7 (9.3) | 150 (660) | 45 (200) |
| 18 | single-unit | 0.32 (8.1) | 97 (61) | 6.4 (16.3) | 4.8 (12.2) | 300 (1320) | 90 (396) |
| 24 | single-unit | 0.32 (8.1) | 97 (67) | 6.4 (16.3) | 4.8 (12.2) | 300 (1320) | 90 (396) |

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.

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