

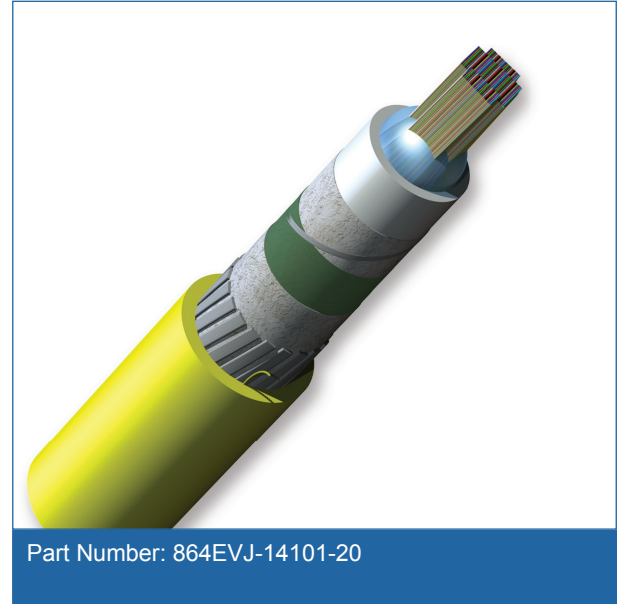
LSZH™ UltraRibbon™ Indoor Gel-Filled Cables

864 F, Single-mode (OS2)

CORNING

Corning LSZH™ UltraRibbon™ cables are designed for horizontal intrabuilding backbones where limited-smoke and zero-halogen requirements exist. These cables are organized with 12-fiber ribbons inside a central tube that are surrounded by dielectric strength members and a specially formulated flame-retardant outer jacket. The 12-fiber ribbons have readily identifiable ribbon ID numbers and fiber colors that allow for easy access to individual fibers. The precise fiber and ribbon geometries result in excellent mass splicing yields. The ribbon riser cables are compatible with standard ribbon cable procedures and hardware.

This cable is available in 12 different jacket colors – blue, orange, green, brown, slate, white, red, black, yellow, violet, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.



Features and Benefits

288 up to 864 fibers in a compact design gel-filled design

Maximizes use of critical duct space

Hand-splittable ribbon

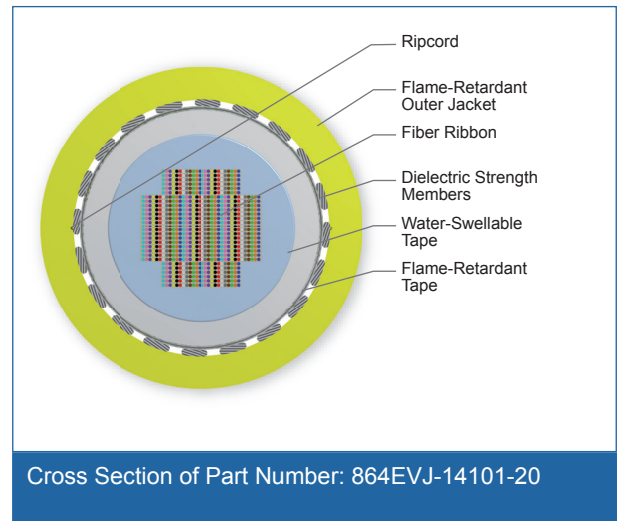
Facilitates mass-fusion splicing with 12-fiber units and no stray fibers

12-fiber ribbons individually numbered

Easy identification

Fiber and ribbon geometries

Provide excellent mass fusion splicing results



Standards

Approvals and Listings

National Electrical Code® (NEC®) OFN-LS, CSA OFN FT-4

Design and Test Criteria

ANSI/ICEA S-104-696, Telcordia GR-409 and GR-20

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Specifications

| General Specifications | |
|------------------------|---|
| Environment | Indoor |
| Application | Aerial, Direct Buried, Duct, General Purpose Horizontal |
| Cable Type | Ribbon |
| Flame Rating | LSZH™ (OFN-LS) |
| Fiber Category | Single-mode (OS2) |

| Temperature Range | |
|-------------------|------------------------------------|
| Storage | -40 °C to 70 °C (-40 °F to 158 °F) |
| Installation | -10 °C to 60 °C (14 °F to 140 °F) |
| Operation | -40 °C to 70 °C (-40 °F to 158 °F) |

| Cable Design | |
|---|--|
| Fiber Count | 864 |
| Ribbons per Tube | 12 and 16 |
| Fibers per Ribbon | 24 and 36 |
| Fiber Coloring | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |
| Buffer Tube Color | Natural |
| Buffer Tube Diameter | 17.9 mm (0.7 in) |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Tape | Water-swellable |
| Tape, Layer 2 | Flame-retardant tape |
| Tape, Layer 3 | Water-swellable |
| Number of Ripcords | 2 |
| Outer Jacket Material | Flame-retardant |
| Outer Jacket Color | Yellow |

Notes: 864 fiber cable consists of 12 ribbons with 24 fibers per tube and 16 ribbons with 36 fibers per tube

| Mechanical Characteristics Cable | |
|-----------------------------------|----------------------------|
| Max. Tensile Strength, Short-Term | 2700 N (600 lbf) |
| Max. Tensile Strength, Long-Term | 890 N (200 lbf) |
| Weight | 582 kg/km (391 lb/1000 ft) |

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Chemical Characteristics

| | |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2002/95/EG |
|------|---|

Fiber Specifications

Optical Characteristics (cabled)

| | |
|-------------------------|-----------------------------------|
| Fiber Name | Single-mode (OS2) |
| Fiber Category | G.652.D |
| Fiber Code | E |
| Performance Option Code | 01 |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Maximum Attenuation | 0.4 dB/km / 0.4 dB/km / 0.3 dB/km |

Ordering Information

| | |
|---------------------|---|
| Part Number | 864EVJ-14101-20 |
| Product Description | LSZH™ UltraRibbon™ Gel-Filled Cable, 864 F, Single-mode (OS2) |
| EAN Code | 4056418137773 |



Corning Optical Communications RF LLC (Corning Gilbert) • 5310 W. Camelback Rd. • Glendale, AZ 85301 USA
800-528-5567 • FAX: 800-344-6358 • International: +1-623-245-1050 • www.corning.com/opcomm

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Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-528-5567 • FAX: 828-325-5086 • International: +1-828-901-5000 • www.corning.com/opcomm

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