

LSZH™ UltraRibbon™ Gel-Filled Cable

864 F, Single-mode (OS2)

CORNING

Corning LSZH™ UltraRibbon™ gel-filled cables provide the ultimate solution for indoor/outdoor high-fiber-count applications. The design uses 24 and 36 ribbons within a central tube to minimize the cable dimensions. The smallest and lightest in the industry, these cables are designed to maximize the use of critical duct space with excellent installation results. The UV-resistant, flame-retardant jacket allows this cable to be installed outdoors or in indoor general purpose horizontal and riser applications. LSZH UltraRibbon cables employ a single buffer tube containing a stack of 24- and 36-fiber ribbons that are easily separated by hand into two or three 12-fiber ribbons respectively. This cable is also available with interlocking armor for additional mechanical durability.

Corning LSZH cables eliminate risks in the event of a fire as the LSZH compound does not drip when superheated. The material burns to ash, eliminating the onset of secondary fires. The flexible, flame-retardant outer jacket is UV-resistant and enables direct exposure to sunlight.



Features and Benefits

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

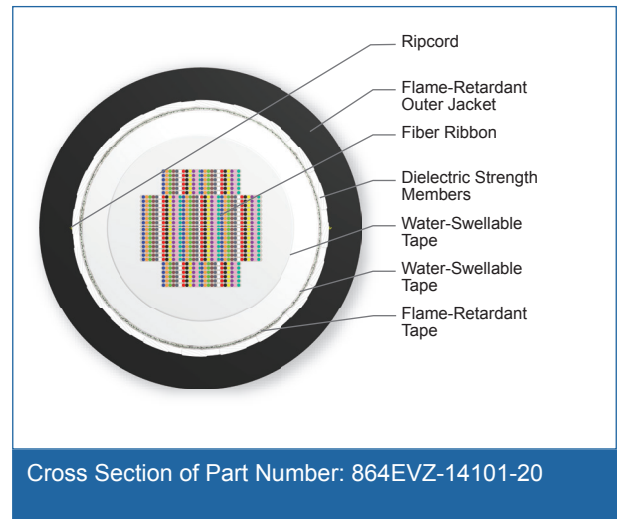
Provide excellent mass fusion splicing results

Flame-retardant, UV-resistant jacket

Rugged and durable, indoor/outdoor use

Common installations

Outdoor aerial and duct; indoor general purpose horizontal according to NEC Article 770



Standards

Listings

National Electrical Code®
(NEC®) OFN-LS

Design and Test Criteria

ANSI/ICEA S-104-696,
Telcordia GR-409 and GR-20, CSA OFN FT-4-ST1

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Specifications

General Specifications

Environment	Indoor/Outdoor Cables
Application	Aerial, Direct Buried, Duct, General Purpose Horizontal
Cable Type	Ribbon
Product Type	Dielectric
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-swellaable
Tape, Layer 2	Flame-retardant tape
Tape, Layer 3	Water-swellaable
Number of Ripcords	2
Outer Jacket Material	Flame-Retardant, UV-Resistant
Outer Jacket Color	Black

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	582.06 kg/km (391.13 lb/1000 ft)

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Mechanical Characteristics Cable

Nominal Outer Diameter	25.40 mm (1.0 in)
Min. Bend Radius Installation	381.00 mm (15.00 in)
Min. Bend Radius Operation	254.00 mm (10.00 in)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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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	864EVZ-14101-20
Product Description	LSZH™ UltraRibbon™ Gel-Filled Cable, 864 F, Single-mode (OS2)
EAN Code	4056418157542



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