

# UltraRibbon™ Riser Gel-Free Cable

288 F, Single-mode (OS2)

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Corning UltraRibbon™ Riser Gel-Free Cables continue the innovative breakthrough in indoor cable technology with a new generation of high-fiber-count single tube cables. Providing up to 432 fibers in a rugged, compact design, the cable maximizes the use of critical duct space and can easily fit in 1.25-in inner duct. A specially formulated flame-retardant jacket allows this cable to be used in indoor general purpose horizontal and riser applications.

The cable consists of a single buffer tube containing a stack of up to eighteen 24-fiber ribbons. The 24-fiber ribbons can be easily separated by hand into two 12-fiber ribbons. The 12-fiber ribbons have readily identifiable ribbon IDs, fiber colors, and precise geometries that result in excellent mass-splicing yields.

## Features and Benefits

### Each 12-fiber ribbon individually numbered

Easy identification

### Precise fiber and ribbon geometries in a gel-free design

Excellent mass splicing yields

### Flame-retardant jacket

Rugged and durable

### Up to 432 fibers in a compact design

Easily fits in 1.25-in diameter inner duct

### Common installations

Indoor vertical riser and general purpose horizontal according to National Electrical Code® (NEC®) Article 770

## Standards

### Listings

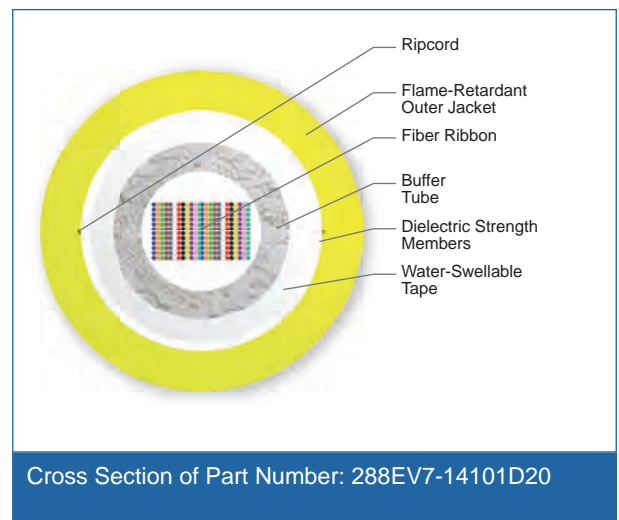
National Electrical Code®  
(NEC®) OFNR

### Design Criteria

CSA FT-4

### Test Criteria

ANSI/ICEA S-83-596



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## Specifications

### General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser
Cable Type	Ribbon
Product Type	Distribution
Flame Rating	Riser (OFNR)
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	-20 °C to 70 °C (-4 °F to 158 °F)

### Cable Design

Fiber Count	288
Ribbons per Tube	12
Fibers per Ribbon	24
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Buffer Tube Color	Natural
Buffer Tube Diameter	14 mm (0.55 in)
Tape	Waterblocking foam tape
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Number of Ripcords	2
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

### Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	1320 N (300 lbf)
Max. Tensile Strength, Long-Term	400 N (90 lbf)
Weight	309 kg/km (207 lb/1000 ft)
Nominal Outer Diameter	20.1 mm (0.79 in)
Min. Bend Radius Installation	302 mm (11.9 in)
Min. Bend Radius Operation	201 mm (7.9 in)

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## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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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	288EV7-14101D20
Product Description	UltraRibbon™ Riser Gel-Free Cable, 288 F, Single-mode (OS2)
EAN Code	4056418151403



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

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • [www.corning.com/opcomm](http://www.corning.com/opcomm)

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