

# UltraRibbon™ Riser Gel-Free Cables, 288-432 Fibers



## Features and Benefits

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

Excellent mass splicing yields

**Flame-retardant jacket**

Rugged and durable

**Each 12-fiber ribbon individually numbered**

Easy identification

**Up to 432 fibers in a compact design**

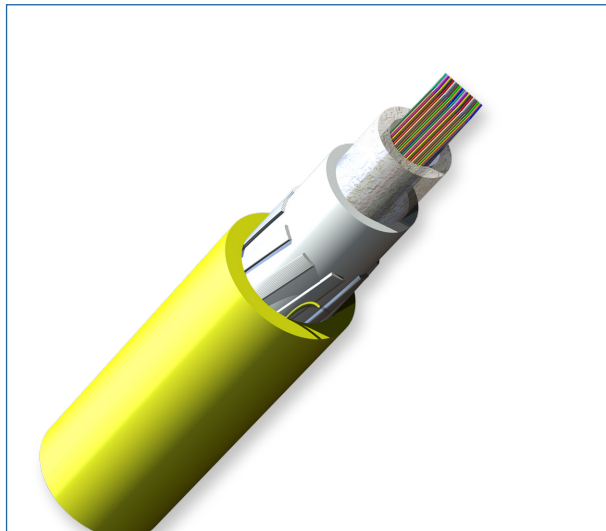
Easily fits in 1.25-in diameter inner duct

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.

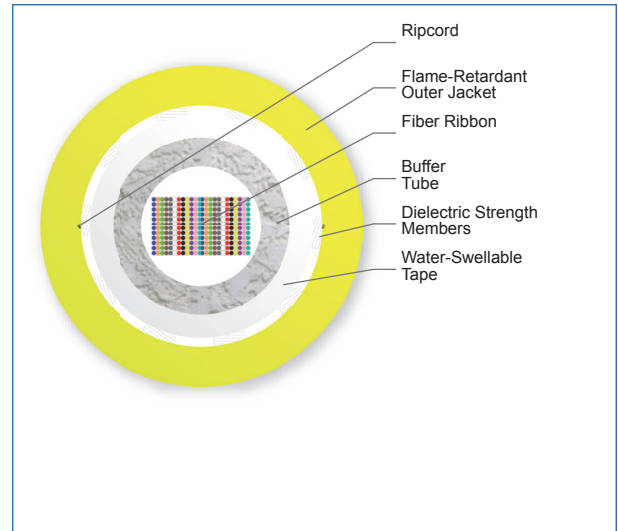
The cable consists of a single buffer tube containing a stack of up to eighteen 24-fiber ribbons. The 24-fiber ribbons can be easily separated by hand into two 12-fiber ribbons. The 12-fiber ribbons have readily identifiable ribbon IDs, fiber colors, and precise geometries that result in excellent mass-splicing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

## Standards

Approval and Listings	National Electrical Code® (NEC®) OFNR, CSA FT-4
Common Installations	Indoor vertical riser and general purpose horizontal according to National Electrical Code® (NEC®) Article 770
Design and Test Criteria	ANSI/ICEA S-83-596



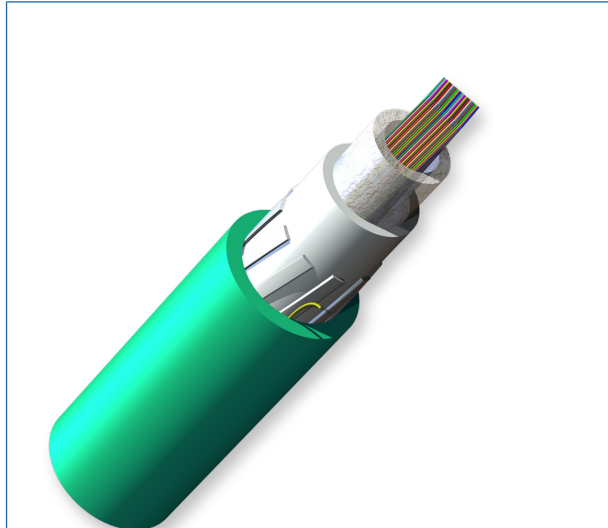
UltraRibbon Riser Gel-Free Cables, 288 Fibers | Photo PIM2570



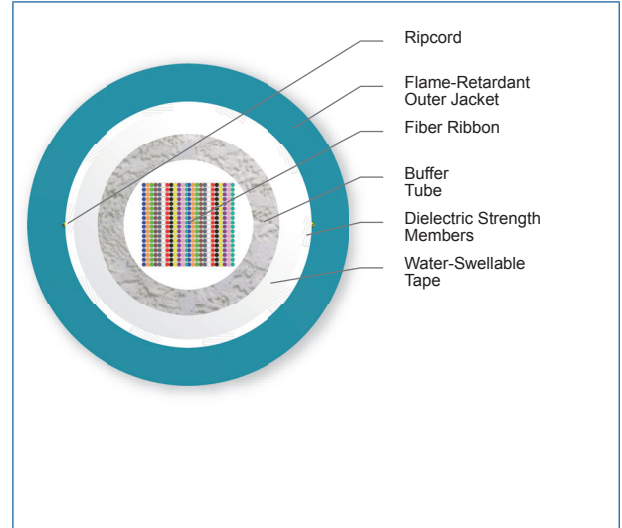
UltraRibbon Riser Gel-Free Cables, 288 Fibers | Photo PIM2349

# UltraRibbon™ Riser Gel-Free Cables, 288-432 Fibers

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UltraRibbon Riser Gel-Free Cables, 432 Fibers  
| Photo PIM2574



UltraRibbon Riser Gel-Free Cables, 432 Fibers  
| Photo PIM2354

## Specifications

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)

\* Note: Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

Max. Tensile Strength, Short-Term	1320 N (300 lbf)
Max. Tensile Strength, Long-Term	400 N (90 lbf)

## Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Weight	Min. Bend Radius Installation	Min. Bend Radius Operation
288	20.1 mm (0.79 in)	309 kg/km (207 lb/1000 ft)	302 mm (11.9 in)	201 mm (7.9 in)
360	20.7 mm (0.81 in)	327 kg/km (219 lb/1000 ft)	311 mm (12.2 in)	207 mm (8.1 in)
432	21.5 mm (0.85 in)	351 kg/km (235 lb/1000 ft)	323 mm (12.7 in)	215 mm (8.5 in)

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## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Transmission Performance

Multimode			
Fiber Core Diameter (µm)	50	50	50
Fiber Category	OM3	OM4	OM4 Extended Distance
Fiber Code	T	T	T
Performance Option Code	80	90	91
Wavelengths (nm)	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	3.0/1.0	3.0/1.0	3.0/1.0
Serial 1 Gigabit Ethernet (m)	1000/600	1100/600	1100/600
Serial 10 Gigabit Ethernet (m)	300/-	550/-	600/-
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	1500/500	3500/500	3500/500
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	2000/-	4700/-	5350/-

Notes: 1) Contact a Corning Customer Care Representative for additional information.

Single-mode		
Fiber Name	SMF-28e+® fiber	ClearCurve® XB**
Fiber Category	G.652.D	G.652.D/G.657.A1
Fiber Code	E	H
Performance Option Code	01	01
Wavelengths (nm)	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	0.4/0.4/0.3	0.4/0.4/0.3
Typical Attenuation* (dB/km)	0.33/0.33/0.19	0.35/0.35/0.20

\* Typical attenuation values match the attenuation values listed in the optical fiber specifications. See [www.corning.com/opticalfiber](http://www.corning.com/opticalfiber) for Corning optical fiber specifications. Better attenuation performance options are available for some fiber and cable types. Contact Customer Care for additional fiber options.

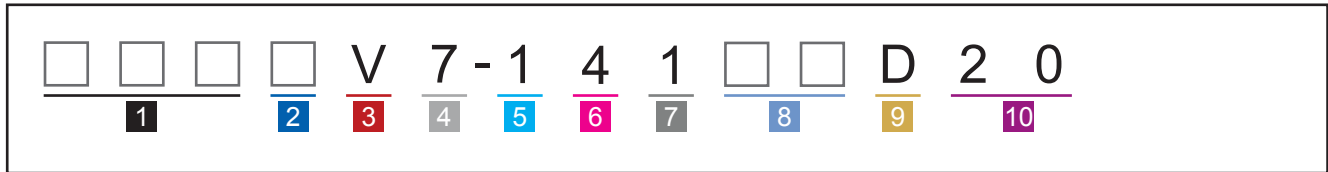
\*\* SMF-28® Ultra and ClearCurve® XB fiber deliver up to 10x better macrobend loss performance compared to the G.652.D standard and up to 33 percent better macrobend loss performance than the G.657.A1 standard for 10mm radii bends.

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Ordering Information | *Note: Contact Customer Care at 1-800-743-2675 for other options.*



**1** Select fiber count.  
Standard offerings:  
288 360 432

**2** Select fiber code.  
T = 50 μm multimode,  
(OM3/OM4/OM4+)  
E = Single-mode (OS2)  
SMF-28e+®  
H = ClearCurve® XB (OS2)

**3** Defines cable type.  
V = UltraRibbon™ Riser Cable

**4** Defines outer jacket.  
7 = Riser

**5** Defines fiber placement.  
1 = Standard for ribbon cables

**6** Defines length markings.  
4 = Markings in ft (standard)

**7** Defines tensile strength.  
1 = 2700 N/600 lb (standard)

**8** Select performance option code.  
80 = 50 μm multimode (OM3)  
90 = 50 μm multimode (OM4)  
91 = 50 μm multimode (OM4)  
01 = Single-mode (OS2)  
(Max. attenuation 0.4/0.4/0.3 dB/km)

**9** Defines cable type.  
D = UltraRibbon™ Riser Cable

**10** Defines special requirements.  
20 = Standard



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