

UltraRibbon™ Riser Gel-Free Interlocking Armored Cables, 288-432 Fibers



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

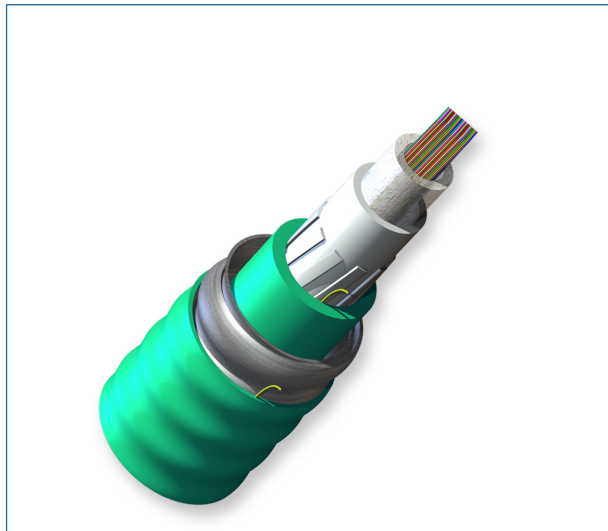
Flexible interlocking armor
More than seven times the crush protection compared to non-armored cables

Corning UltraRibbon™ riser gel-free interlocking armored cables continue the innovative breakthrough in indoor cable technology with a new generation of high-fiber-count single tube cables. Encased in spirally wrapped aluminum interlocking armor for ruggedness and superior crush resistance, these cables are ideal for industrial and heavy traffic areas and installations requiring extra protection for optical cables. A specially formulated flame-retardant jacket allows this cable the flexibility to be used in indoor general purpose horizontal and riser applications.

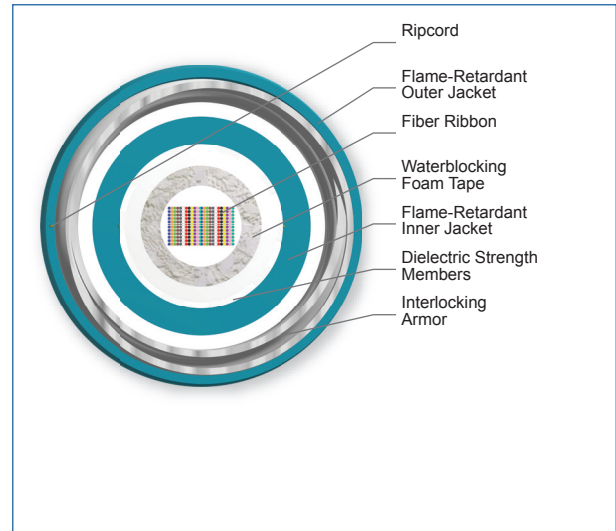
The cable consists of a single buffer tube containing a stack of up to eighteen 24-fiber ribbons. Available in fiber counts from 288 to 432, each 24-fiber ribbon can be easily separated by hand into two 12-fiber ribbons. The 12-fiber ribbons have readily identifiable ribbon IDs, fiber colors and geometries 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 Interlocking Armored Cables, 288 Fibers | Photo PIM2564



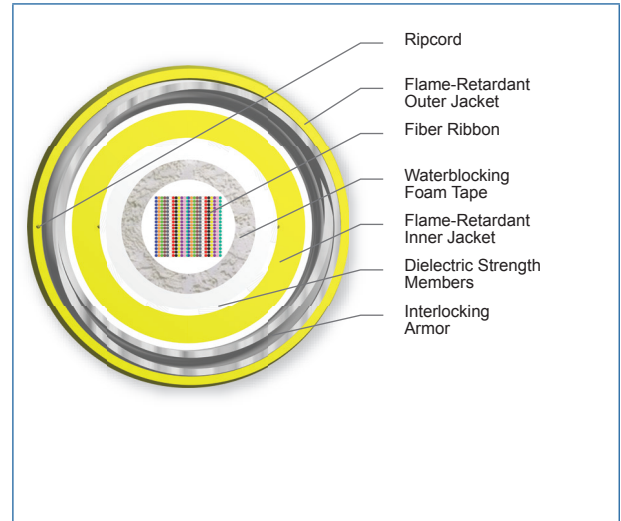
UltraRibbon Riser Gel-Free Interlocking Armored Cables, 288 Fibers | Photo PIM2345

UltraRibbon™ Riser Gel-Free Interlocking Armored Cables, 288-432 Fibers

CORNING



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



UltraRibbon Riser Gel-Free Interlocking Armored Cables, 432 Fibers | Photo PIM2348

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	29.5 mm (1.16 in)	615 kg/km (413 lb/1000 ft)	443 mm (17.4 in)	295 mm (11.6 in)
360	30.8 mm (1.21 in)	645 kg/km (433 lb/1000 ft)	462 mm (18.2 in)	308 mm (12.1 in)
432	32.1 mm (1.26 in)	684 kg/km (459 lb/1000 ft)	482 mm (18.9 in)	321 mm (12.6 in)

CORNING

UltraRibbon™ Riser Gel-Free Interlocking Armored Cables, 288-432 Fibers

CORNING

Chemical Characteristics

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

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 for Corning optical fiber specifications. Better attenuation performance options are available for some fiber and cable types. Contact Customer Care for additional fiber options.

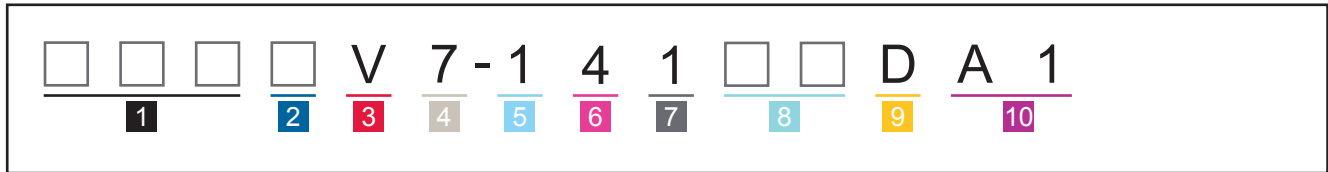
** SMF-28® Ultra and ClearCurve® XB fiber deliver up to 10x better macrobend loss performance compared to the G.652.D standard and up to 33 percent better macrobend loss performance than the G.657.A1 standard for 10mm radii bends.

CORNING

UltraRibbon™ Riser Gel-Free Interlocking Armored Cables, 288-432 Fibers



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+® fiber
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.
A1 = Standard



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

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. Corning Optical Communications is ISO 9001 certified. © 2014 Corning Optical Communications. All rights reserved.