

RPX® Gel-Free Ribbon Cable

An Evolant®
Solutions Product

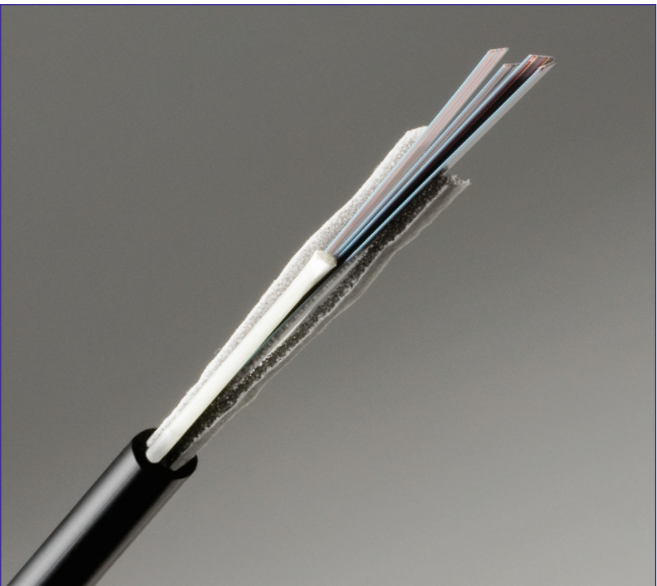
features and benefits |

Gel-free with no filling compound	Eliminates time and labor of cleaning
One-step cable access	Simplifies prep work, no special tools needed
Up to 144 fibers in a compact design	Fits in 1.0- to 1.25-in inner diameter duct
Each 12-fiber ribbon is individually printed	Easy identification

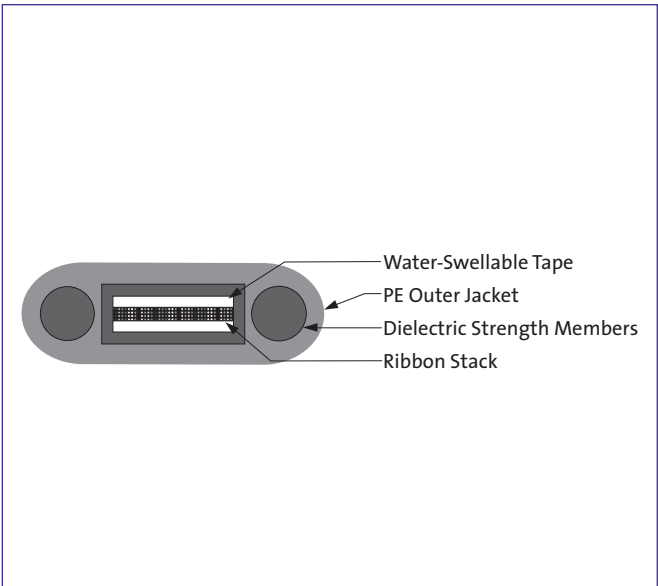
Corning Cable Systems RPX® Gel-Free Ribbon Cable is another innovative breakthrough in cable technology and introduces a new generation of gel-free cables. Providing up to 144 fibers in a rugged, compact design, the coupling features ensure the ribbon stack and cable act as one unit, providing long-term reliability in aerial, duct and direct-buried applications.

The RPX Cable is designed with one-step, easily accessible central cavity containing a ribbon stack of up to 144 fibers wrapped with a protective waterblocking tape. The ribbon stack consists of 24-fiber ribbons that can be easily separated by hand into 12-fiber ribbons. Dielectric strength members under the cable jacket provide tensile and anti-buckling strength.

The cable is jacketed with a black UV-resistant polyethylene sheath. The one-step cable access simplifies cable preparation work and eliminates the need for special tools in midspan applications.



RPX Gel-Free Ribbon Cable | Photo CLT63



RPX Gel-Free Ribbon Cable | Drawing ZA-3052

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specifications |

Maximum Tensile Loads	Short-Term: 2700 N (600 lbf) Long-Term: 890 N (200 lbf)
Temperatures	Storage: -40° to +70°C (-40° to +158°F) Installation: -30° to +70°C (-22° to +158°F) Operation: -40° to +70°C (-40° to +158°F)
Common Installations	Bulk cable: outdoor aerial, duct and direct buried; also typically in distribution segment as part of the FlexNAP™ Terminal Distribution System
Design and Test Criteria	ANSI/ICEA S-87-640, Telcordia GR-20

Fiber Count	Nominal Weight kg/km (lb/1000 ft)	Nominal Outer Diameter* mm (in)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
24, 48	77 (52)	15.2 x 7.8 (0.60 x 0.31)	22.9 (9.0)	22.9 (9.0)
72, 96	85 (57)	15.2 x 8.2 (0.60 x 0.32)	22.9 (9.0)	22.9 (9.0)
144	94 (63)	15.2 x 8.6 (0.60 x 0.34)	22.9 (9.0)	22.9 (9.0)

* Actual diameter may vary by ±5%.

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transmission performance |

	Single-Mode	Single-Mode
Fiber Code	E	E
Performance Option Code	01	00
Optical Fiber Type	Single-mode*	Single-mode*
ISO/IEC 11801 Nomenclature	OS2	OS2
Wavelength (nm)	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	0.4/0.4/0.3	0.35/0.35/0.25
Minimum Over Filled Launch (OFL) Bandwidth (MHz•km)	– / – / –	– / – / –
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	– / – / –	– / – / –
Serial 1 Gigabit Ethernet Distance (m)	5000/ – / –	5000/ – / –
Serial 10 Gigabit Ethernet Distance (m)	10000/ – /40000	10000/ – /40000

* ITU-T G.652.D compliant.
Contact Corning Cable Systems Customer Service Representative for additional information.

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ordering information | Contact Customer Service at 800-743-2671 for other options.

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1	2	3						4		5	6		7	8

|1-3

Select fiber count.

024
048
072
096
144

|4

Select length markings.

3 = Markings in meters
4 = Markings in feet
(standard)

|5-6

Select performance
option code (see
Transmission
Performance table).

|7-8

Defines special
requirements.
53 = Standard jacket print

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