

RPX® Long Span Ribbon Cable-250

CORNING

Corning RPX Long Span ribbon cable is another innovative breakthrough in cable technology. 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, and duct 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 mid-span applications. Self-supporting capabilities up to 345 ft Span in NESC Heavy at 1 percent Install SAG; accompanied by simplified, smaller and easy to install hardware.

Features and Benefits

Each 12-fiber ribbon is individually printed

Easy identification and faster mass-fusion splicing

Gel-free with no filling compound

Eliminates time and labor of cleaning

One-step cable access

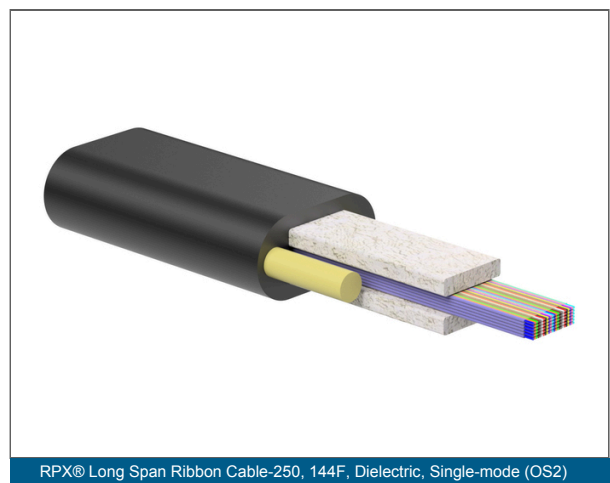
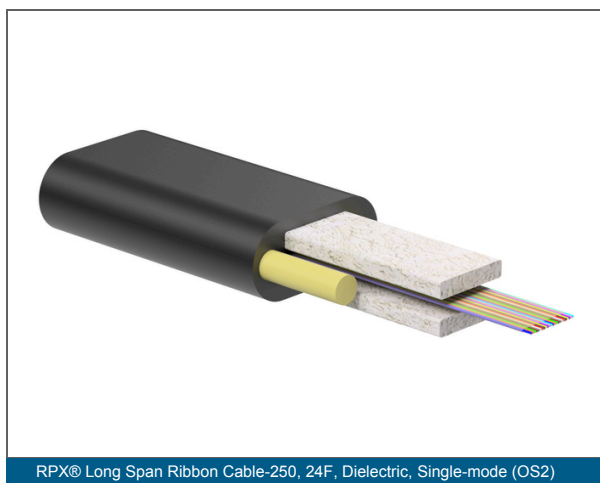
Simplifies prep work, no special tools needed

Up to 144 fibers in a compact ADSS design

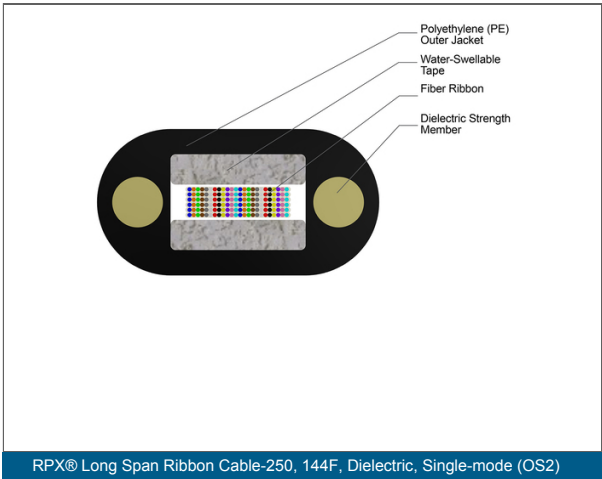
Smaller, simplified and easy to install hardware

All-Dielectric Self-Supporting

Up to 345 ft Span in NESC Heavy at 1 percent Install SAG



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Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Specifications

General Specifications	
Environment	Outdoor
Product Type	Self-Supporting, ADSS
Cable Type	Ribbon

Temperature Range	
Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
Temperature Range, Installation	-30 °C - 60 °C (-22 °F - 140 °F)
Temperature Range, Operation	-40 °C - 70 °C (-40 °F - 158 °F)

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Design Characteristics Cable

Fiber Count	Fibers per Ribbon
24 - 144	24

Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term	Min. Bend Diameter Operation	Min. Bend Diameter Installation	Cable Weight
24	17.6 mm x 8.6 mm (0.69 in x 0.34 in)	2700 N (606.98 lbf)	890 N (200.08 lbf)	456 mm (17.95 in)	456 mm (17.95 in)	95 kg/km (63.84 lb/1000 ft)
48	17.6 mm x 8.6 mm (0.69 in x 0.34 in)	2700 N (606.98 lbf)	890 N (200.08 lbf)	456 mm (17.95 in)	456 mm (17.95 in)	98 kg/km (65.85 lb/1000 ft)
72	17.6 mm x 8.6 mm (0.69 in x 0.34 in)	2700 N (606.98 lbf)	890 N (200.08 lbf)	456 mm (17.95 in)	456 mm (17.95 in)	104 kg/km (69.88 lb/1000 ft)
96	17.6 mm x 8.6 mm (0.69 in x 0.34 in)	2700 N (606.98 lbf)	890 N (200.08 lbf)	456 mm (17.95 in)	456 mm (17.95 in)	107 kg/km (71.9 lb/1000 ft)
144	17.6 mm x 8.6 mm (0.69 in x 0.34 in)	2700 N (606.98 lbf)	890 N (200.08 lbf)	456 mm (17.95 in)	456 mm (17.95 in)	113 kg/km (75.93 lb/1000 ft)

Transmission Performance

Single-mode

Fiber Name	Single-mode (OS2)
Performance Option Code	01
Fiber Category	G.652.D
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Code	E
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

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The Corning logo consists of the word "CORNING" in a white, serif, all-caps font, centered within a solid blue square.

Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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