

RocketRibbon® Cable-250 144F, Dielectric, Bend-Improved Single-Mode (OS2)



Part Number:
144ZC4-14700S53

Corning RocketRibbon® Cable-250 with FastAccess® Technology represent a truly innovative breakthrough in outside plant cable technology. Providing up to 864 fibers in a compact design and long-term reliability in aerial, duct, and direct-buried applications.

The FastAccess® jacket reduces access times and limits overall risk of inadvertent fiber damage by reducing the need for sharp access tools. Dielectric or steel strength members located 180 degrees apart under the cable jacket provides tensile and anti-buckling strength. The cable jacket includes enhanced cable markings with key cable specifications. The 12-fiber ribbons have readily identifiable ribbon IDs, fiber colors and geometries that result in excellent mass-splicing yields. Central stack variants provide up to 432 fibers, a single stack of 12 and/or 24-fiber ribbons surrounded by a protective foam and water-blocking elements ensure the cable acts as one unit. Stranded variants provide up to 864 fibers, with up to 6 subunits containing stacks of 144 fibers that can be easily routed directly into hardware without furcation. Each subunit is finger-peelable and contains two water-blocking yarns that act as ripcords, enabling rapid access to the ribbon stack for faster termination. The conventional 12-fiber ribbon is maintained, ensuring robustness and installer familiarity.

Features and Benefits

FastAccess® Jacket

Reduces time and risk by limiting need for sharp tools

Gel-free with no filling compound

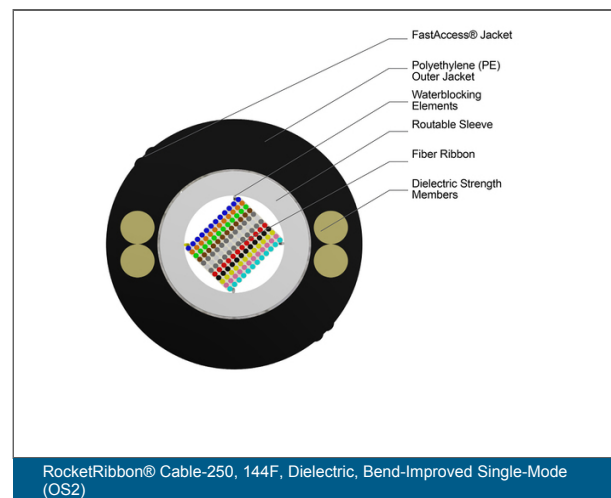
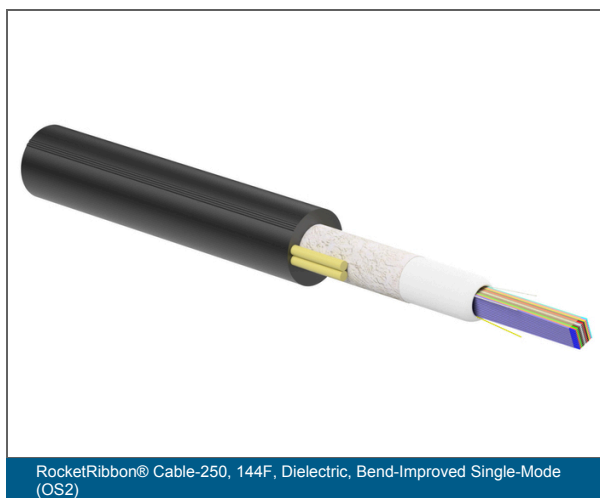
Eliminates time and labor of cleaning

12 fiber and 24 fiber ribbons

Increased fiber density, easily separated by hand, individually numbered for easy identification

Innovative waterblocking technology

Prevents water penetration



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Specifications

| General Specifications | |
|------------------------|-------------------|
| Cable Type | Ribbon |
| Environment | Outdoor |
| Product Type | Dielectric |
| Fiber Category | Single-mode (OS2) |
| Application | Aerial, Duct |
| Cable geometry | Round |

| Standards | |
|--------------------------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
| Common Installations | Outdoor duct, aerial and direct-buried |
| Design and Test Criteria | ANSI/ICEA S-87-640, Telcordia GR-20 |

| Environmental Conditions | |
|---------------------------------|-------------------------------------|
| Temperature Range, Installation | -30 °C to 70 °C (-22 °F to 158 °F) |
| Temperature Range, Operation | -40 °C to 70 °C (-40 °F to 158 °F) |
| Temperature Range, Storage | -40 °C to 70 °C (-40 °F to 158 °F) |

| Cable Design | |
|---|--|
| Cable Marking | Print in ft with SOCC |
| Fiber Count | 144 |
| Fiber Coloring | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |
| Outer Jacket Color | Black |
| Outer Jacket Material | Polyethylene (PE) |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Number of Ribbons | 12 |

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Cable Design

| | |
|-------------------|------------------------------|
| Tape | Waterblocking tape and yarns |
| Fibers per Ribbon | 12 |

Mechanical Specifications

| | |
|-----------------------------------|---------------------|
| Max. Tensile Strength, Long-Term | 890 N (200.08 lbf) |
| Max. Tensile Strength, Short-Term | 2700 N (606.98 lbf) |
| Nominal Outer Diameter | 12 mm (0.47 in) |
| Min. Bend Diameter Operation | 360 mm (14.17 in) |
| Min. Bend Diameter Installation | 360 mm (14.17 in) |

Optical Characteristics

| | |
|-------------------------|--------------------------------------|
| Fiber Code | Z |
| Fiber Name | SMF-28® Ultra fiber |
| Fiber Type | Single-mode |
| Performance Option Code | 00 |
| Maximum Attenuation | 0.35 dB/km / 0.35 dB/km / 0.25 dB/km |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Fiber Category | G.652.D/G.657.A1 |

Dimensions

| | |
|--------------|-------------------------------|
| Length | 0 mm (0 in) |
| Cable Weight | 93.5 kg/km (62.83 lb/1000 ft) |



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