RocketRibbon® Cable-250 432 F, Armored, Bend-Improved Single-Mode (OS2)

Part Number:
432ZV5-14700S53

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

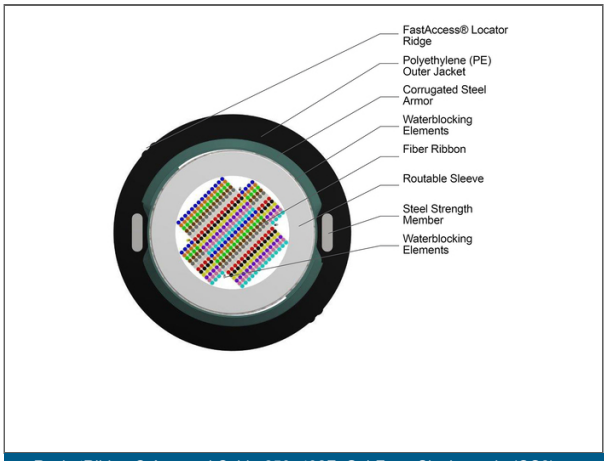
FastAccess® Jacket
Reduces time and risk by limiting need for sharp tools

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

RocketRibbon® Armored Cable-250, 432F, Gel-Free, Single-mode (OS2)



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CORNING

Specifications

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

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Common Installations	Outdoor lashed aerial, duct and direct-buried, indoor when installed according to National Electrical Code® (NEC®) Article 770
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	432
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	Steel strength members

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Cable Design	
Number of Ribbons	22
Tape	Waterblocking tape and yarns
Ribbons per Subunit	12 F x 4 Ribbon / 24 F x 14 Ribbon / 12 F x 4 Ribbon

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	16.4 mm (0.65 in)
Min. Bend Diameter Operation	492 mm (19.37 in)
Min. Bend Diameter Installation	492 mm (19.37 in)

Optical Characteristics	
Fiber Code	Z
Fiber Name	SMF-28® Ultra
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	
Cable Weight	232.5 kg/km (156.23 lb/1000 ft)

RoHS COMPLIANT

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