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

Part Number:
432ZQ4-14700S53

Corning RocketRibbon® HD 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. The stranded design, 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

Unique subunit design

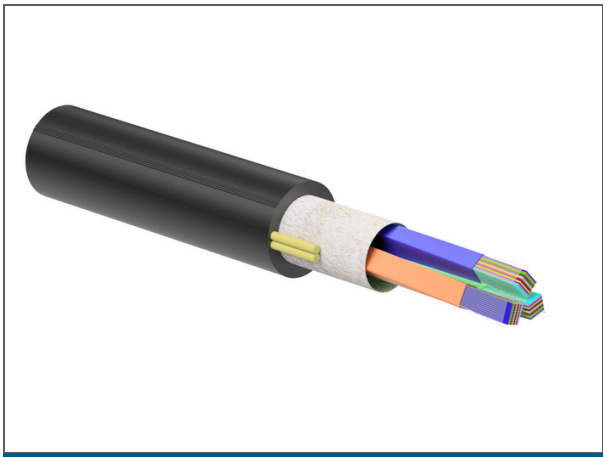
Flexible, finger-peelable subunits provide protection of each 144-fiber ribbon stack, eliminating the need for furcation when routing directly into hardware and enabling individual access to each ribbon for efficient management in splice trays.

Complete gel-free design

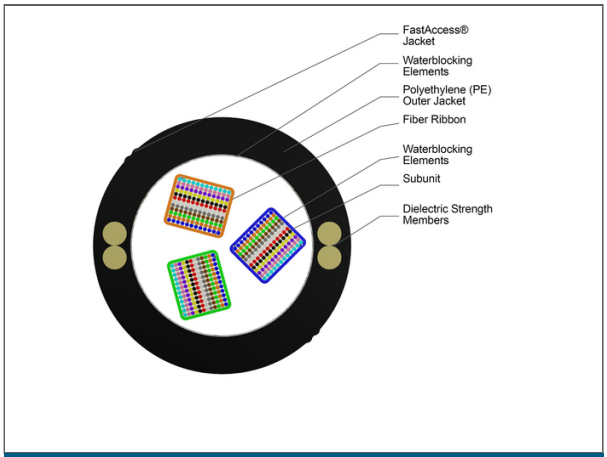
No messy filling or flooding compounds mean elimination of time, labor and risk associated with cleaning ribbons, enabling cleaner work areas, simplified splice preparation and less installer error.

FastAccess® Jacket

Reduces time and risk by limiting need for sharp tools



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Specifications

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

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Common Installations	Outdoor duct and aerial
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	Dielectric strength members
Number of Ribbons	36

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Cable Design	
Tape	Waterblocking tape and yarns
Subunit Color	Blue, Orange, Green
Number of Subunits	3
Ribbons per Subunit	12
Fibers per Ribbon	12
Fibers per Subunit	144

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	17.4 mm (0.69 in)
Min. Bend Diameter Operation	522 mm (20.55 in)
Min. Bend Diameter Installation	522 mm (20.55 in)

Optical Characteristics	
Fiber Code	Z
Performance Option Code	00
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.35 dB/km / 0.35 dB/km / 0.25 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1

Dimensions	
Cable Weight	188.1 kg/km (126.4 lb/1000 ft)

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RoHS COMPLIANT

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