RocketRibbon® XD Cable-250 1728F, Armored, Bend-improved Single-mode (OS2)

Part Number:
H28ZQ5-14101S53

Corning high-density gel-free cables offer the ultimate combination of fiber density and ease-of-use in extreme fiber count outside plant cabling. Providing fibers in an extreme density design, flexible subunits containing stacks of 288 fibers can be easily routed directly into hardware without furcation. Each subunit is also finger-peelable, enabling rapid access to the ribbon stack for faster termination. The conventional 12-fiber ribbon is maintained, ensuring robustness, installer familiarity and no change to the long established mass-fusion splicing process. Each individual ribbon within the subunit features a unique printed ID for fast, easy identification and efficient fiber splicing management.

Features and Benefits

Single-armored construction

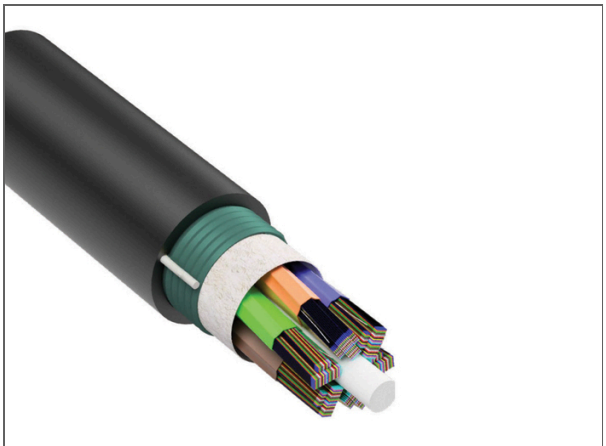
Provides additional crush and rodent protection. These cables have a polyethylene jacket that is rugged, durable and easy to strip.

Unique subunit design

Flexible, finger-peelable subunits provide protection of each 288-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.



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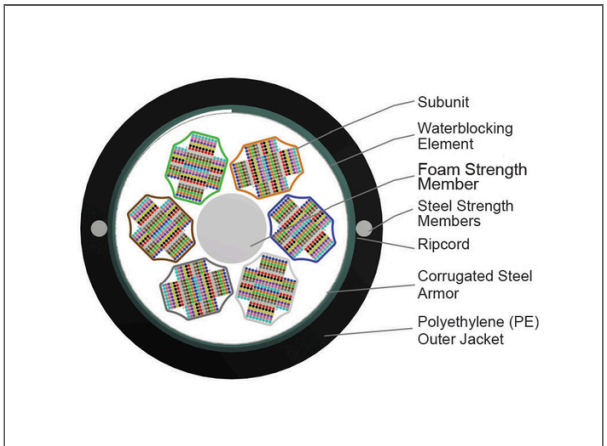

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Specifications

General Specifications	
Installation Methods	Direct Buried, Duct
Cable Type	Ribbon
Environment	Outdoor
Product Type	Dielectric armor
Fiber Category	Bend-improved SM (OS2)
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	-20 °C to 70 °C (-4 °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	1728
Number of Ripcords	2
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua, Violet, Rose, Aqua
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)

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Cable Design	
Tensile Strength Elements and/or Armoring - Layer 1	Steel strength members
Tape	Water-swellable
Subunit Color	Blue, Orange, Green, Brown, Slate, White
Number of Subunits	6
Ribbons per Subunit	16 (12 F x 4 Ribbon / 24 F x 8 Ribbon / 12 F x 4 Ribbon)
Fibers per Subunit	288

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	28 mm (1.1 in)
Min. Bend Diameter Operation	840 mm (33.07 in)
Min. Bend Diameter Installation	840 mm (33.07 in)

Optical Characteristics	
Fiber Code	Z
Performance Option Code	01
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 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	663 kg/km (445.52 lb/1000 ft)

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RoHS COMPLIANT

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