

RocketRibbon™ Extreme Density Cable

3456F, SMF-28® Ultra fiber, Single-mode (OS2)

CORNING

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 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, 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

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.

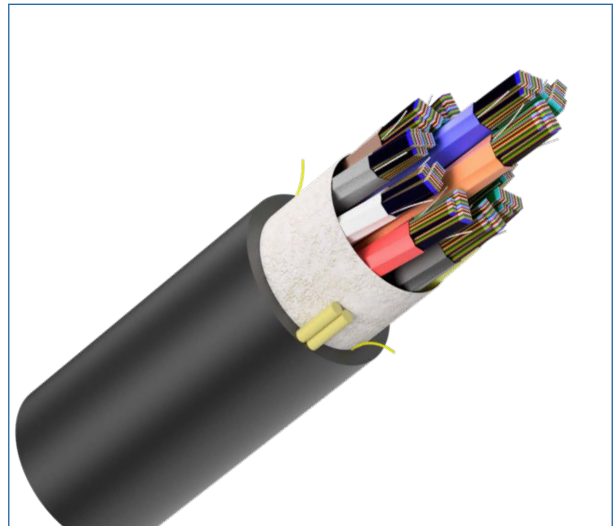
Standards

Common Installations

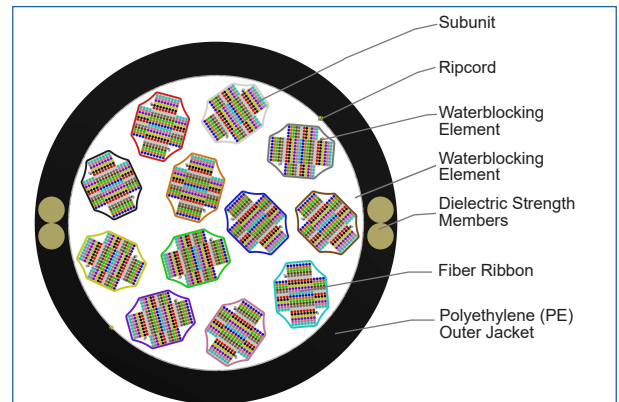
Duct and indoor when installed according to National Electrical Code® (NEC®) Article 770

Design and Test Criteria

ANSI/ICEA S-87-640
Telcordia GR-20



Part Number: Y56ZQ4-14101S53



Cross Section of Part Number: Y56ZQ4-14101S53

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Specifications

General Specifications

Environment	Outdoor
Application	Duct
Cable Type	Ribbon
Product Type	Dielectric

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-20 °C to 70 °C (-4 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design

Fiber Count	3456
Fibers per Ribbon	12 F x 4 Ribbon / 24 F x 8 Ribbon / 12 F x 4 Ribbon
Ribbons per Subunit	16
Maximum Fibers per Subunit	288
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Subunit Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Number of Subunits	12
Water-blocking elements	Water-blocking tape and yarns
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Number of Ripcords	2
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black
Cable Marking	Print in ft with SOCC

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	775 kg/km (520 lb/1000 ft)
Nominal Outer Diameter	34 mm (1.3 in)

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Mechanical Characteristics Cable

Min. Bend Diameter during Installation	1020 mm (40 in)
Min. Bend Diameter after Installation	1020 mm (40 in)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Fiber Specifications

Optical Characteristics (cabled)

Fiber Name	SMF-28® Ultra fiber
Fiber Category	G.652.D and G.657.A1
Fiber Code	Z
Performance Option Code	01
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

Note: 1) Contact a Corning Customer Care Representative for additional information
2) Maximum attenuation value of up to 0.5/0.5/0.4 with five percent of fibers

Ordering Information

Part Number	Y56ZQ4-14101S53
Product Description	RocketRibbon™ Extreme Density Cable, 3456 F, SMF-28® Ultra fiber, Single-mode (OS2)



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