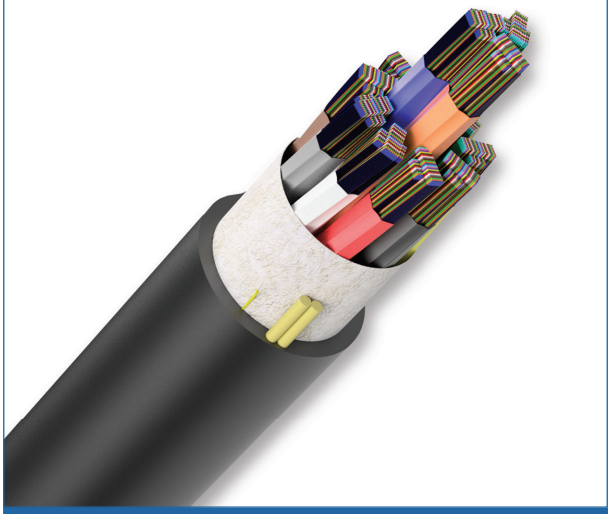
RocketRibbon™ Extreme Density Cable

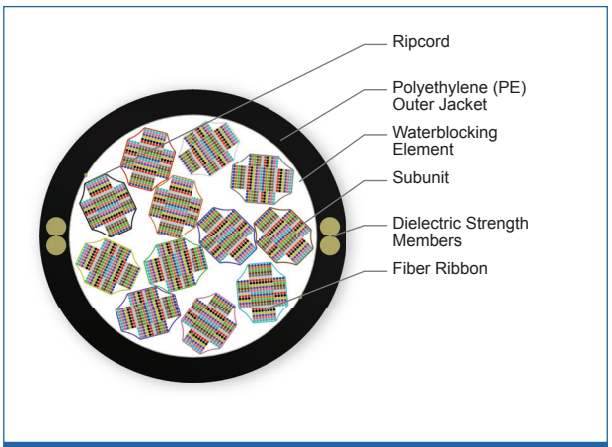
3456F, SMF-28® Ultra fiber, Single-mode (OS2)

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 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.



Part Number: Y56ZQ4-14101S53



Cross Section of Part Number: Y56ZQ4-14101S53

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

CORNING

RocketRibbon™ Extreme Density Cable

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

CORNING

Specifications

General Specifications	
Environment	Outdoor
Application	Aerial, 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
Tape	Water-Swellable
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	752 kg/km (505 lb/1000 ft)
Nominal Outer Diameter	32 mm (1.3 in)

RocketRibbon™ Extreme Density Cable

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

CORNING

Mechanical Characteristics Cable	
Min. Bend Radius Installation Outdoor Cable	480 mm (18.9 in)
Min. Bend Radius Operation Outdoor Cable	480 mm (18.9 in)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Name	SMF-28® Ultra fiber
Fiber Category	G.652.D/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

* with 5 percent of fibers up to 0.5/0.5/0.4

Ordering Information

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

RoHS COMPLIANT

Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm