

MiniXtend® Ribbon Cable-200 Flow 144F, Bend-Improved Single-mode (OS2)

CORNING

Part Number:
144ZZ4-14161B53

Corning's MiniXtend® Ribbon Cable-200 Flow is designed for microduct applications. Although typically installed via jetting the cable can also be pulled into conduits at the rated loads specified, allowing for a myriad of backbone duct applications. The cable construction leverages Corning's Flow Ribbon Technology in a centralized design to minimize cable diameter, allowing for smaller duct applications. The microducts can be placed in new construction pathways or be used to "override" existing cables to avoid cost of new pathway construction. The specially formulated low-friction PE jacket material optimized for jetting performance into microducts. In addition, Flow Ribbon Technology allows for easier routing within hardware and splice enclosures while also being compatible with both 200 μm and 250 μm commercially available splicers.

Features and Benefits

Bend-Improved Single-mode 190 μm Diameter

ITU-T G.652.D and G.657.A1-compliant 190 micron single-mode fiber with a 9.2 μm MFD maintains full compatibility with existing fiber networks

Flow Ribbon Technology

Allows for smaller cable designs and easier routing in hardware. Flow Ribbons are compatible with both 200 μm and 250 μm commercially available splicers

Reduced Cable Diameter

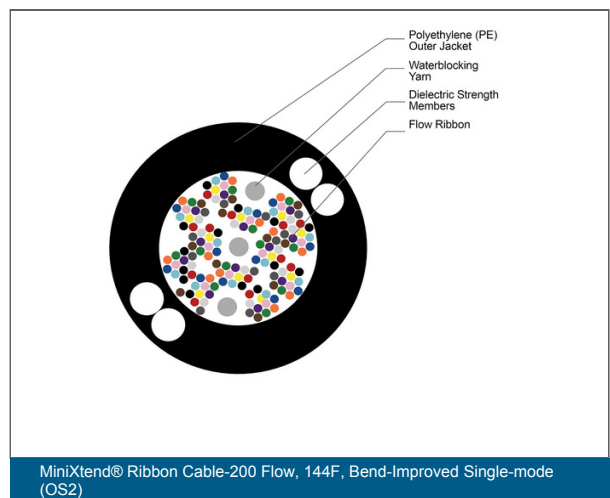
High fiber density in microduct systems. Up to 60 percent reduction in cable diameter (compared to existing SST-UltraRibbon™) doubling fiber count per duct at similar ODs

Optimized for air-assisted install in microducts

Capable of long installation distances

Compact and light

CapEx-optimised installations & upgrades



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Specifications

General Specifications

Installation Methods	Jetting, Microduct
Cable Type	Ribbon
Environment	Outdoor
Product Type	Dielectric
Fiber Category	G.652.D/G.657.A1
Cable geometry	Round

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Design and Test Criteria	ICEA S-122-744-2016

Environmental Conditions

Temperature Range, Installation	-10 °C to 60 °C (14 °F to 140 °F)
Temperature Range, Operation	-30 °C to 70 °C (-22 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design

Fiber Count	144
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)
Tape	Water-swellable

Mechanical Specifications

Max. Tensile Strength, Long-Term	200 N (44.96 lbf)
Max. Tensile Strength, Short-Term	660 N (148.37 lbf)

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Mechanical Specifications

Nominal Outer Diameter	6.4 mm (0.25 in)
Min. Bend Diameter Operation	192 mm (7.56 in)
Min. Bend Diameter Installation	256 mm (10.08 in)

Optical Characteristics

Fiber Code	Z
Performance Option Code	61
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 190 µm
Fiber Name	Contour™ Fiber
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	26 kg/km (17.47 lb/1000 ft)
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