

MiniXtend® Ribbon Cable-200 Flow 864F, Bend-Improved Single-mode (OS2)

CORNING

Part Number:
864ZZ4-13161B53

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

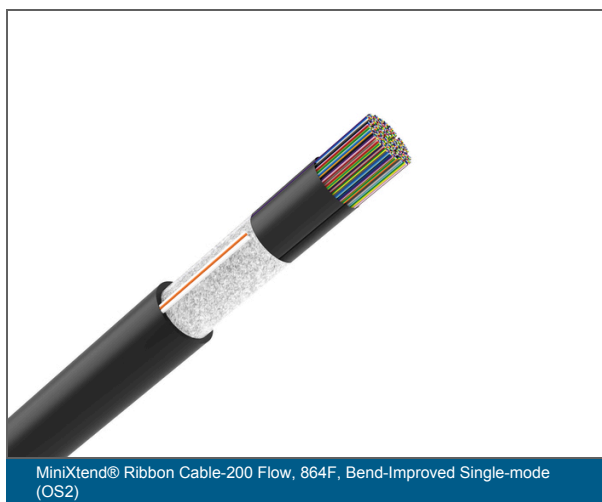
High fiber density in microduct systems. Up to 60 percent reduction in cable diameter (compared to existing SST-UltraRibbon™) doubling fiber count per duct at similar ODs

Optimised for air-assisted install in microducts

Capable of installation distances greater than 2000 m (6560 ft) at speeds up to 150 m/min (490 ft/min)

Compact and light

CapEx-optimised installations & upgrades



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Specifications

General Specifications

Environment	Outdoor
Cable type	Micro Cable
Product type	Dielectric
Fibre category	G.657.A1 190
Application	Miniduct

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Environmental Conditions

Temperature range, installation	-10 °C to 60 °C
Temperature range, operation	-30 °C to 70 °C
Temperature range, storage	-40 °C to 70 °C

Cable Design

Fibre count	864
Outer jacket colour	Black
Outer jacket material	Polyethylene (PE)
Tape	Water-swellable

Mechanical Specifications

Max. tensile strength, short-term	1334 N
Nominal outer diameter	13.5 mm
Min. Bend Diameter Operation	406 mm
Min. Bend Diameter Installation	540 mm

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Optical Characteristics

Fibre code	Z
Fibre name	G.657.A1 Optical fiber with 190-micron outer diameter
Fibre Type	Single-mode
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1
Performance option code	61
Cladding diameter	125 µm
Dispersion @ 1550 nm	18.6 nm
Dispersion @ 1625 nm	23.7 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Mode-Field Diameter at 1310 nm	9.2 µm
Wavelengths	1310 nm / 1550 nm
PMD (Polarization Mode Dispersion) maximum individual fibre	0.1 ps/(nm*km)
Coating diameter	188 µm
Fibre category	G.652.D/G.657.A1

Dimensions

Cable Weight	127 kg/km
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Ordering Information

Product Number	864ZZ4-13161B53
EAN Code	4099802352826
Maximum delivery length	6000 m



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