

MiniXtend® Indoor/Outdoor Ribbon Cable-200 Flow 288F, Bend-Improved Single-mode (OS2)



Part Number:
288ZZZ-14161B20

Corning's Indoor/Outdoor 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 in order 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 the cost of new pathway construction.

The cable is flame rated to allow transition from Outside Plant to Inside Plant environments without requiring a transition splice at the building entry. The indoor/outdoor cables are dual listed for flame with both OFNR-LS (Riser, Low Smoke) and Cca Euroclass (EU Construction Product Regulation) ratings allowing for a single product solution around the globe. The specially formulated flame-retardant jacket material features a low coefficient of friction to improve jetting performance over standard flame-rated jacket materials. 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 fibre density in microduct systems. Up to 57% reduction in cable diameter (compared to existing SST-UltraRibbon™) doubling fibre count per duct at similar ODs

Optimised for air-assisted install in microducts

Capable of long installation distances

Indoor/Outdoor Jacket

Eliminates the need for a transition splice at building entry.

Dual Flame Rated

Allows cable to be used anywhere around the globe

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Specifications

General Specifications

Environment	Indoor/Outdoor
Fibre category	G.657.A1 190
Flame rating	Riser/LSZH (OFNR-LS)
Application	Miniduct

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNR-LS, CSA FT-4 and UKCA
Design And Test Criteria	ANSI/ICEA S-104-696
Flame Test Method	UL-1666 (for riser and general building applications), UL-1685 (National Electrical Code® (NEC®) OFN-LS)
Reaction to fire requirements	Reaction to fire according to EN 50575 and EN 13501-6
Reaction to fire	Cca, s1, d1, a1

Environmental Conditions

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

Cable Design

Fibre count	288
Outer jacket colour	Black
Outer jacket material	Polyethylene (FRNC/LSZH)
Tape	Water-swellable

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Mechanical Specifications

Max. tensile strength, long-term	400 N
Max. tensile strength, short-term	1330 N
Nominal outer diameter	9.1 mm
Min. Bend Diameter Operation	274 mm
Min. Bend Diameter Installation	364 mm

Optical Characteristics

Cable cutoff wavelength	1260 nm
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	49
Cladding diameter	125 µm
Dispersion @ 1550 nm	18.6 nm
Dispersion @ 1625 nm	23.7 nm
Maximum Attenuation	0.36 dB/km / 0.22 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	88 kg/km
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