

MiniXtend® XD Cable with Binderless* FastAccess™ Technology, A-DQ(ZN)2Y 288 F (12x24), G.657.A1 190, (G.652.D/G.657.A1) - DIN VDE

The Corning logo is displayed in white, uppercase letters on a solid blue rectangular background.

Part Number:
288ZH4-Y3C49ADE

Corning® MiniXtend® XD Cable with Binderless*
FastAccess Technology is an all-dielectric loose tube cable designed for microduct applications and features industry-leading fibre density.

The innovative binderless FastAccess technology improves cable handling and reduces access time by up to 70% while lowering risk of cable and fiber damage. The MiniXtend cable design reduces the cable diameter by up to 50% (vs. traditional loose tube cables) which improves fibre density for duct applications and also enables new applications which can reduce total install cost by up to 60%.

This cable features Corning® G.657.A1SC 190 optical fibre. G.657.A1.SC 190 shares the same advanced optical performance and is designed for use in applications where space is at a premium. G.657.A1.SC 190 enables maximised fibre count per cable and minimise cable outer diameter while maintaining superior optical and mechanical performance. It has bend performance that exceeds recommendation ITU-T G.657.A1, and is compatible and fully compliant with recommendation ITU-T G.652.D.

Features and Benefits

Binderless FastAccess™ Technology

Innovative cable design that reduces cable access time up to 70 percent and lowers the risk of inadvertent fibre damage

Improved cable and fibre density

Small cable OD enables higher density and lower deployment cost

Optimized for air-assisted install in microducts

Suitable for installation in a duct with 8-mm inner diameter

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CORNING

Specifications

General Specifications

Environment	Outdoor
Cable type	Stranded Loose Tube Micro Cable
Product type	Dielectric
Fibre category	G.657.A1 190
Application	Microduct

Standards

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

Temperature range, installation	-5 °C to 50 °C
Temperature range, operation	-30 °C to 70 °C
Temperature range, storage	-40 °C to 70 °C

Cable Design

Cable marking	M#H#S#CORNING#Year# MINIXTEND® XD FAB CABLE 12x24 G.657.A1 190 LT1.4#ID number
Central element	Dielectric
Fibre count	288
Buffer tube colour coding, layer 1	Red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink
Outer jacket colour	Black
Outer jacket material	High Density Polyethylene (HDPE)
Outer jacket nominal thickness	0.4 mm
Buffer tube diameter	1.4 mm
Central element diameter	3 mm

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Cable Design

Number of active tubes	12
Number of filling elements	0
Number of tube positions	12
Fibres per tube	24

Mechanical Specifications

Crush resistance	500 N/10 cm
Max. tensile strength, short-term	1000 N
Min. bend radius installation	164 mm
Min. bend radius operation	123 mm
Nominal outer diameter	8.2 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

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Dimensions

Cable Weight	66 kg/km
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Ordering Information

Product Number	288ZH4-Y3C49ADE
Maximum delivery length	6000 m



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