

MiniXtend® Indoor MicroCable J-B(ZN)H 1x(1x12) E9 G.657.A1 190, DIN VDE



CORNING

Part Number:
012ZTZ-42M61NDC

Corning MiniXtend® Indoor MicroCable for FTTH Application. Cables with flame-retardant jackets and best possible fire performance, designed for indoor installation, typically vertical in building ducts or conduits, as well as for cabling between floor distributors. Cables are suitable for blowing up to 150m, as well as routing within a Corning® Clear Track Hallway. All variants are available in either Telcordia or DIN VDE color code standard, as well in two different standard lengths, as 2km reel or 500m reel-in-a-box. All cables available either in B2ca-s1a,d1,a1 or Cca-s1a,d1,a1 CPR class.

Features and Benefits

Improved cable and fibre density

Reduced cable diameter for installation in micro ducts with 4mm minimum inner diameter

Fully-dielectric

No grounding required

Optimised for air-assisted install in microducts

Capable of installation distances up to 150m (492 ft)

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Specifications

General Specifications

Cable type	Loose tube
Environment	Indoor
Product type	Dielectric
Fibre category	SMF-28® Contour 190
Flame rating	LSZH/FRNC
Application	Vertical Riser, Indoor horizontal, Miniduct, Blowing, General building applications
Cable geometry	Round

Standards

Reaction to Fire	B2ca, s1a, d1, a1
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable) and IEC 60332-3-24 (bunch of cables)
Reaction to Fire Requirements	Reaction to fire according to EN 50575 and EN 13501-6
Smoke density	Low Smoke to IEC 61034
Halogen content test	Zero Halogen according to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2

Environmental Conditions

Temperature range, installation	-5 °C to 50 °C
Temperature range, operation	0 °C to 60 °C
Temperature range, storage	-25 °C to 70 °C
Notes	Temperature Range, Operation depends on fiber used inside the cable. SMF-28® Contour Pro: -10 °C - 60 °C and SMF-28® Contour Fit: 0 °C - 60 °C

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Cable Design	
Cable marking	Meter - Handset - CE 24 EN 50575 B2ca-s1a,d1,a1 - Sine - CORNING - FOC - Year - J-B(ZN)H 1x(1x12) SMF-28® Contour G.652.D & G.657.A1 - LSZH(TM)/FRNC
Fibre count	12
Outer jacket colour	White
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, silicon-free, zero-halogen (FRNC/LSZH) material
Outer jacket nominal thickness	0.35 mm
Strength members	Aramid yarn
Cable marking method	Inkjet printing
Cable marking colour	Black
Fibre colouring	Red, green, blue, yellow, white, grey, brown, violet, truquoise, black, orange, pink
Fibres per tube	12
Colour Code Standards	DIN VDE
Inner Tube Diameter	1.2 mm

Mechanical Specifications	
Crush resistance	500 N/10 cm
Max. tensile strength for installation	150 N
Min. bend radius installation	15 mm
Min. bend radius operation	15 mm
Nominal outer diameter	2.4 mm

Optical Characteristics	
Fibre code	Z
Performance option code	61
Fibre category	OS2
Fibre Type	Single-mode (OS2) / 190 µm
Fibre name	SMF-28® Contour Fit

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Optical Characteristics	
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1

Dimensions	
Cable Weight	6.1 kg/km



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