

MiniXtend® Cable with Binderless* FastAccess™ Technology

24 F, SMF-28® Ultra fibre, Single-mode (G.652.D/G.657.A1)

CORNING

Corning MiniXtend® 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 up to 70% while lowering risk of cable and fibre damage.

The MiniXtend Cable design reduces the cable diameter by up to 50% (versus 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 also features Corning SMF-28® Ultra single-mode fibre which combines industry-leading attenuation and improved macrobend performance in one fibre. SMF-28 Ultra fibre is ITU-T Recommendation G.652.D compliant and also exceeds the requirements of the ITU-T Recommendation G.657.A1 standard.

** Corning's patented Binderless FastAccess® Technology refers to the combination of a Corning FastAccess Technology jacket with an innovative technology used to bind cable construction through the manufacturing process, eliminating the use of binder yarns and water-blocking tapes.*

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 fiber density

Small cable OD enables higher density and lower deployment cost; up to 96 fibres in 8 mm ID duct and up to 144 fibers in 10 mm ID duct

Optimised for air-assisted install in microducts

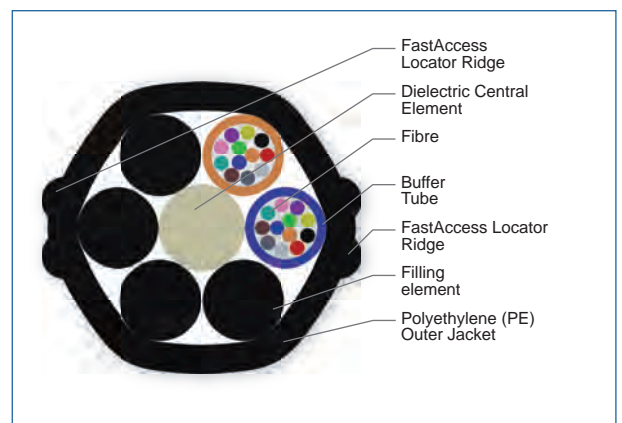
Capable of installation distances greater than 2000 m (6560 ft) at speeds up to 150 m/min (490 ft/min)

Mid-span express buffer tube performance

Meets the Telcordia GR-20 and RDUP/RUS PE-90 requirements for mid-span express buffer tube storage



Part Number: 024ZM4-T4F22A20



Cross Section of Order Number: 024ZM4-T4F22A20

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Features and Benefits

SMF-28® Ultra fibre

ITU-T G.652.D/G.657.A1 rated fibre with improved attenuation and bend performance as well as compatibility with standard single-mode fibres

Fully waterblocked loose tube, gel-filled design

Meets industry standard waterblocking requirements for outdoor cable

Standards

Common Installations Outdoor microduct; indoor when installed according to National Electrical Code® (NEC®) Article 770

Design And Test Criteria IEC 60794-5-10

Corning Recommendation This cable should be placed in microduct for all applications, including aerial.

Specifications

General Specifications	
Environment	Outdoor
Application	Microduct
Cable type	Stranded Loose Tube Micro Cable
Product type	Dielectric
Fibre Category	SMF-28® Ultra fibre

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation and assembly	-15 °C to 60 °C (5 °F to 140 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design	
Central Element	Dielectric
Fibre Count	24

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Cable Design

Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12
Number of Tube Positions	6
Number of Active Tubes	2
Number of filling elements	4
Buffer tube colour coding	Blue, orange
Buffer tube diameter	1.4 mm (0.05 in)
Outer jacket material	High Density Polyethylene (HDPE)
Outer jacket colour	black

Mechanical Characteristics Cable

Weight	23 kg/km (15 lb/1000 ft)
Nominal Outer Diameter	5.4 mm (0.21 in)
Min. Bend Radius Installation	108 mm (4.3 in)
Min. Bend Radius Operation	82 mm (3.2 in)
Max. tensile strength, short-term	350 N (78 lbf)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Ordering Information

Part Number	024ZM4-T4F22A20
Product Description	MiniXtend® Cable with Binderless* FastAccess™ Technology, 24 F, SMF-28® Ultra fibre, Single-mode (G.652.D/G.657.A1)
EAN Code	4056418140322



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