

# MiniXtend® Cable with Binderless\* FastAccess™ Technology

192 F (24F/Tube), SMF-28® Ultra 200, 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 200 single -mode fibre (ITU -T G.652.D and ITU -T G.657. A1): the industry's first 200 micron fibre with a 9.2 micron Mode -Field Diameter (MFD).

*\* 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 de-ployment cost; 192 fibres in 10 mm ID duct

---

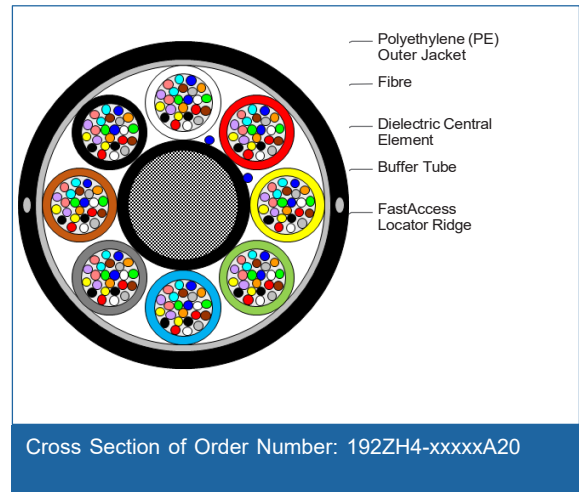
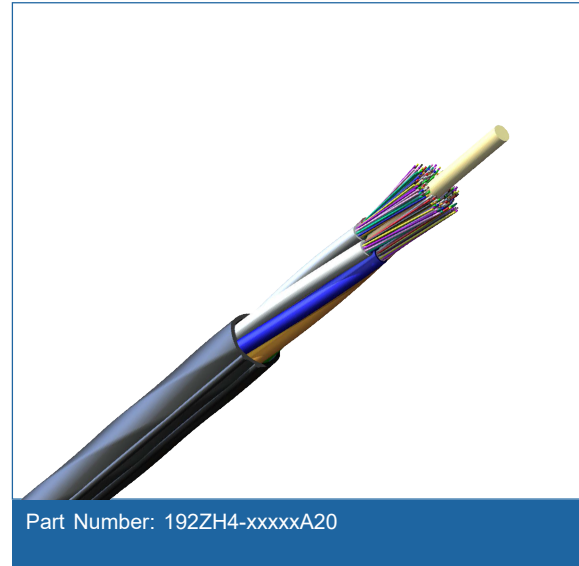
### **Optimised for air-assisted install in microducts**

Capable of installation distances greater than 2000 m at speeds up to 150 m/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



# MiniXtend® Cable with Binderless\* FastAccess™ Technology

192 F (24F/Tube), SMF-28® Ultra 200, Single-mode (G.652.D/G.657.A1)

CORNING

## Features and Benefits

### SMF-28® Ultra 200 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

## Standards

**Common Installations** Outdoor microduct;

---

**Design And Test Criteria** IEC 60794-5-10

## Specifications

General Specifications	
Environment	Outdoor
Application	Microduct
Cable type	Stranded Loose Tube Micro Cable
Product type	Dielectric
Recommended inner diameter of microduct	12 mm
Minimum inner diameter of microduct	10 mm
Fibre category	SMF-28® Ultra 200 Optical Fibre

Temperature Range	
Storage	-40 °C to 70 °C
Installation and assembly	-15 °C to 50 °C
Operation	-30 °C to 70 °C

Cable Design	
Central element	Dielectric
Fibre count	192
Buffer tube colour coding	white, red, yellow, green, blue, grey, brown, black

# MiniXtend<sup>®</sup> Cable with Binderless\* FastAccess<sup>™</sup> Technology

192 F (24F/Tube), SMF-28<sup>®</sup> Ultra 200, Single-mode (G.652.D/G.657.A1)

CORNING

## Cable Design

Fibres per tube	24
Number of tube positions	8
Number of active tubes	8
Fibre bundle colour coding	1-12: white, red, yellow, green, blue, slate, brown, black, violet, turquoise, orange, pink 13-24 (all with black marking) white, red, yellow, green, blue, slate, brown, natural, violet, turquoise, orange, pink
Outer jacket material	HDPE
Buffer tube diameter	1.7 mm
Outer jacket colour	Black
Outer jacket nominal thickness	0.5 mm
Cable marking	M#H#S#CORNING#Year# MINIXTEND(R) HD FAB CABLE 8x24 E9U200

## Mechanical Characteristics Cable

Nominal Outer Diameter	7.5 mm
Weight	52 kg/km
Min. Bend Radius Installation	150 mm
Min. Bend Radius Operation	112 mm
Max. tensile strength, short-term	1000 N
Crush resistance	1000 N/10 cm
Water penetration (0.1bar/24 h)	≤ 1 m

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
------	---

## Fibre Specifications

### Optical Characteristics (cabled)

Fibre name	SMF-28 <sup>®</sup> Ultra 200 Optical Fibre
Mode-Field Diameter at 1310 nm	9.2 µm
Fibre code	Z
Coating diameter	200 µm
Cladding diameter	125 µm
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum attenuation	0.36 dB/km / 0.36 dB/km / 0.22 dB/km
Typical attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Serial 1 gigabit ethernet	5000 m / - / -

# MiniXtend® Cable with Binderless\* FastAccess™ Technology

192 F (24F/Tube), SMF-28® Ultra 200, Single-mode (G.652.D/G.657.A1)



## Fibre Specifications

Optical Characteristics (cabled)	
Serial 10 gigabit ethernet	10000 m / - / 40000 m
Cable cutoff wavelength	1260 nm
Dispersion in the range 1285 to 1330 nm	$\leq 3.5$ ps / (nm * km)
Dispersion @ 1550 nm	$\leq 18$ ps / (nm * km)
PMD Link Design Value	$\leq 0.04$ PS / $\sqrt{\text{km}}$
PMD maximum individual fibre	$\leq 0.1$ PS / $\sqrt{\text{km}}$
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1

Notes: 1) Contact a Corning Customer Care Representative for additional information

## Ordering Information

Part Number	192ZH4-xxxxxA20
Product Description	MiniXtend® HD Cable with Binderless* FastAccess™ Technology, 192F (24F/Tube), SMF-28® Ultra 200, Single-mode (G.652.D/G.657.A1)

## Shipping Information

Maximum delivery length	6,000 m
-------------------------	---------



Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY  
00 800 2676 4641 · FAX: +49 30 5303 2335 · [www.corning.com/opcomm/emea](http://www.corning.com/opcomm/emea)

A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/emea/trademarks](http://www.corning.com/opcomm/emea/trademarks). Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2025 Corning Optical Communications. All rights reserved.