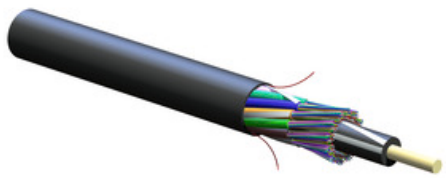
MiniXtend® HD Cable

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

CORNING

Corning® MiniXtend® HD cables are high-density micro cables that are up to 60 percent smaller and up to 70 percent lighter than standard loose tube cables and up to 20 percent smaller than standard micro cables. MiniXtend HD cables have and SZ-stranded loose tube construction and provide high fiber counts in limited duct space in long-haul, metro and access networks. With a dual-layer tube design and a low-friction PE sheath, MiniXtend HD cables are optimized for blowing into microducts. Both the buffer tubes and the fibers contained within are color-coded for quick and easy identification. MiniXtend HD cables feature Corning® SMF-28® Ultra 200 single-mode fiber (ITU-T G.652.D and ITU-T G.657.A1): the industry's first 200 micron fiber with a 9.2 micron Mode-Field Diameter (MFD).



Part Number: 288ZH4-Y4140A20

Features and Benefits

Reduced outer cable diameter
High fiber density in microduct systems

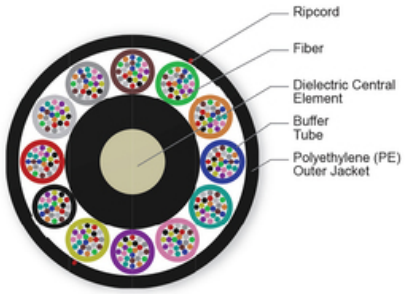
Compact and light
CapEx-optimized installations & upgrades

Optimized cable stiffness
Long installation lengths

Fully-dielectric
No grounding required

Color-coded tubes & fibers
Easy identification of tubes & fibers

SMF-28® Ultra 200 fiber
ITU-T G.652.D and G.657.A1-compliant 200 micron single-mode fiber with a 9.2 micron MFD, low loss and enhanced bend performance



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Specifications

Corning Classification	
Corning Classification NAFTA	STD
Corning Classification EMEA	COR

Ordering Information	
Maximum Delivery Length	6000
Weight	84

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Mechanical Characteristics

Min. Bend Radius Installation	194
Min. Bend Radius Operation	146
Crush Resistance	1000 N/10 cm /
Crush Resistance	64.4 N/cm /
Nominal Outer Diameter	9.7 mm / / /
Water penetration (0.1bar/24 h)	≤ / 1 m

General Specifications

Classification ITU-T	G.652.D/G.657.A1
Environment	Outdoor
Fiber Category	SMF-28® Ultra 200 Optical Fiber
Recommended inner diameter of microduct	12
Product Type	Dielectric
Cable Type	Stranded Loose Tube
Application	/ Miniduct / / / / /

Standards

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

Optical Characteristics

Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Fiber Code	Z
Cable cutoff wavelength	1260
Fiber Name	SMF-28® Ultra 200 Optical Fiber
Maximum Attenuation	0.34 db/km / 0.34 db/km / 0.2 db/km
Typical Attenuation	0.32 db/km / 0.32 db/km / 0.18 db/km
Cladding diameter	125 µm / /
Coating diameter	200 µm / /
Dispersion @ 1550 nm	≤ / 18 ps/(nm*km)
Dispersion in the range 1285 to 1330 nm	3.5 ps/(nm*km) / ≤
Mode-Field Diameter at 1310 nm	9.2 µm / /
Serial 1 Gigabit Ethernet	5000 m / /
Serial 10 Gigabit Ethernet	10000 m / 40000 m /
PMD Link Design Value	0.04 ps/km / ≤

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Optical Characteristics	
PMD maximum individual fiber	0.1 ps/km / ≤
Wavelengths	1310 nm / 1383 nm / 1550 nm

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