

# MiniXtend® HD Cable, LT, A-DQ(ZN)2Y

6x24 E9/125 Ultra 200

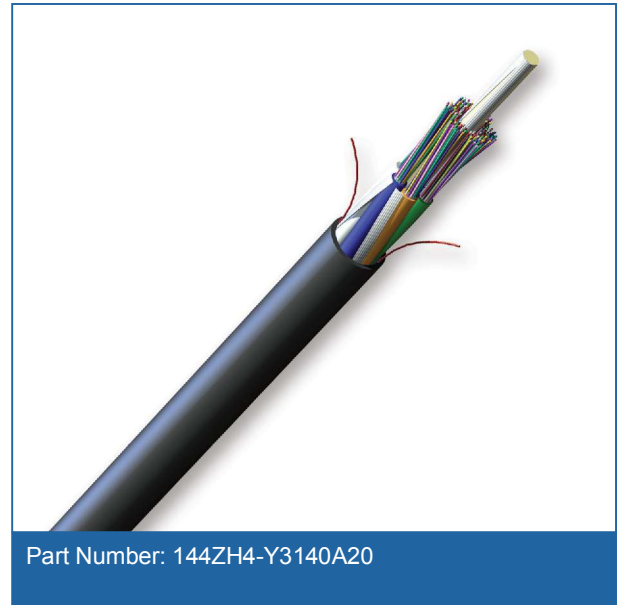
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Corning® MiniXtend® HD cables are high-density micro cables that are up to 60 percent smaller and up to 70 percent lighter than standard loose tube cables and up to 20 percent smaller than standard micro cables. MiniXtend HD cables have an SZ-stranded loose tube construction and provide high fibre 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 optimised for blowing into microducts.

Both the buffer tubes and the fibres contained within are colour-coded for quick and easy identification.

MiniXtend HD cables feature 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).



Part Number: 144ZH4-Y3140A20

## Features and Benefits

### Reduced outer cable diameter

High fibre density in microduct systems

### Compact and light

CapEx-optimised installations & upgrades

### Optimised cable stiffness

Long installation lengths

### Fully-dielectric

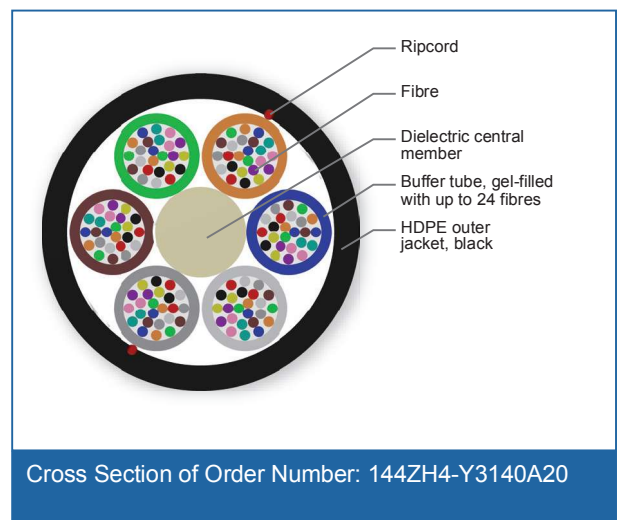
No grounding required

### Colour-coded tubes & fibres

Easy identification of tubes & fibres

### SMF-28® Ultra 200 fibre

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



Cross Section of Order Number: 144ZH4-Y3140A20

## Specifications

General Specifications	
Environment	Outdoor
Application	Miniduct
Cable type	Stranded Loose Tube
Product type	Dielectric

# MiniXtend® HD Cable, LT, A-DQ(ZN)2Y

6x24 E9/125 Ultra 200

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## General Specifications

Fibre Category	SMF-28® Ultra 200 Optical Fibre
Classification ITU-T	G.652.D & G.657.A1
Recommended inner diameter of microduct	8 mm

## Temperature Range

Installation and assembly	-15 °C to 60 °C
Operation	-40 °C to 70 °C
Storage	-40 °C to 70 °C

## Cable design

Central Element	Dielectric
Fibre Count	144
Fibre colouring	1-12: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise 13-24 (all with one black ring mark): blue, orange, green, brown, grey, white, red, natural, yellow, violet, pink, turquoise
Fibres per tube	24
Number of Tube Positions	6
Number of Active Tubes	6
Buffer tube colour	Blue, orange, green, brown, grey, white
Buffer tube diameter	1.7 mm
Tape	Water-swellaible
Number of ripcords	2
Outer jacket material	High Density Polyethylene (HDPE)
Outer jacket colour	black
Outer jacket nominal thickness	0.5 mm
Cable marking	Metre - Handset - Sine - CORNING - Year - MINIXTEND (R) HD CABLE 6X24 E9U200 LT1.7

## Mechanical Characteristics Cable

Nominal Outer Diameter	6.3 mm
Weight	37 kg/km
Min. Bend Radius Installation	95 mm
Min. Bend Radius Operation	63 mm
Max. tensile strength, short-term	1000 N

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## Mechanical Characteristics Cable

Crush resistance (reversible)	1000 N/10 cm
Water penetration (0.1bar/24 h)	≤ 1 m

## Chemical Characteristics

RoHS	RoHS compliant
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## Fibre Specifications

### Optical Characteristics (cabled)

Fibre name	SMF-28® 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	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Typical attenuation	0.32 dB/km / 0.32 dB/km / 0.18 dB/km
Serial 1 gigabit ethernet	5000 m / -
Serial 10 gigabit ethernet	10000 m / 40000 m
Cable cutoff wavelength	1260 nm
Dispersion in the range 1285 to 1330 nm	≤ 3.5 ps / (nm * km)
Dispersion @ 1550 nm	≤ 18 ps / (nm * km)
PMD Link Design Value	≤ 0.04 PS / √km
PMD maximum individual fibre	≤ 0.1 PS / √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	144ZH4-Y3140A20
Product Description	MiniXtend® HD Cable, A-DQ(ZN)2Y, 6x24F, LT, Single-mode (E9 SMF-28® Ultra 200)
EAN Code	4056418010106

# MiniXtend® HD Cable, LT, A-DQ(ZN)2Y

6x24 E9/125 Ultra 200

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

## Shipping Information

Maximum delivery length	6,000 m
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