ALTOS® HD Lite, Gel-Free, Single-Jacket, Single-Armored Cable with FastAccess® Technology

CORNING

Corning® ALTOS® HD Lite gel-free, single-jacket, single-armored cables with FastAccess® technology are designed for direct-buried installations.

The 24 fiber high-density buffer tube provides a 30 oercent reduction in cable OD resulting in a 2x increase in fiber density. This improved density equals additional space for maximizing duct capacity. The innovative FastAccess technology feature combined with the gel-free loose tube design simplifies jacket removal and buffer tube access. The gel-free cable is fully waterblocked using craft-friendly water-swellable materials for simple access with no clean up.

The loose tube design employs Corning's suite of optical fiber to provide reliable transmission parameters for a variety of voice, data, video, imaging and network applications. The flexible buffer tubes are easy to route in closures, and the SZ-stranded, loose tube design isolates fibers from installation and environmental rigors while allowing easy midspan access. The single-armored construction provides additional crush and rodent protection. These cables have a polyethylene jacket that is rugged, durable and easy to strip.

Features and Benefits

ALTOS® HD FastAccess® Technology

With the combination of a jacket with an innovative technology used to bind cable construction through the manufacturing process, eliminating the use of binder yarns and waterblocking tapes and up to a 60 percent improvement in cable access time. These technologies also reduce the overall risk of inadvertent fiber damage by reducing the need for sharp cable access tools.

Polyethylene jacket

Rugged, durable and easy to strip (while providing superior protection against UV radiation, fungus, abrasion and other environmental factors)

Fully waterblocked loose tube all-dielectric gel-free design

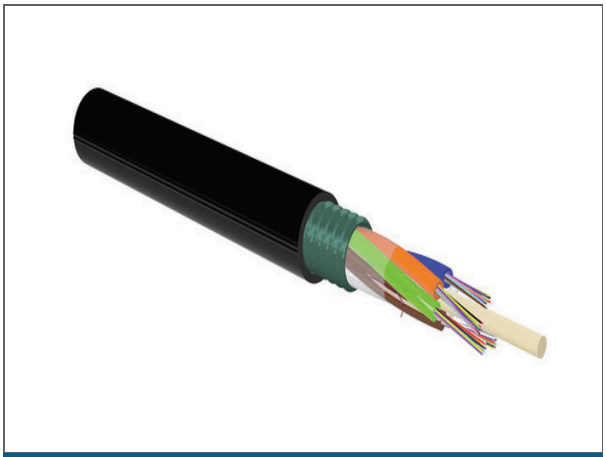
Simple access and no clean up

Single-armored construction

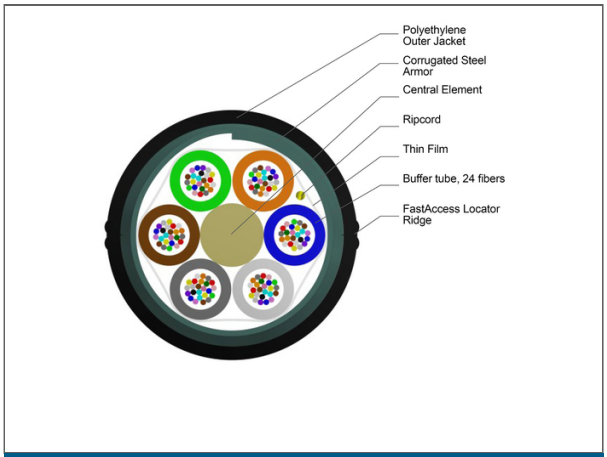
Provides additional crush and rodent protection

Available in Corning's 62.5 µm and 50 µm multimode, standard single-mode (G.652.D, G.657.A1), dispersion shifted single-mode (G.655, G.654), and hybrid versions

Ready for any application from Gigabit Ethernet all the way to ≥ 800G Long Haul



ALTOS® HD, Gel-Free, Single-Jacket, Single-Armored Cables with FastAccess® Technology, 96F, SMF-28® Ultra fiber



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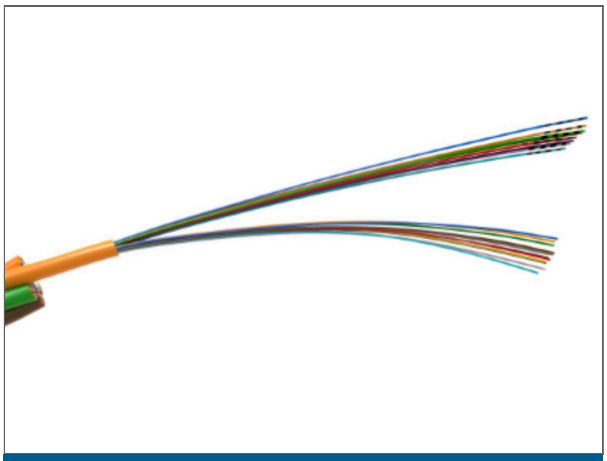

ALTOS® HD, Gel-Free, Single-Jacket, Single-Armored Cables with FastAccess® Technology, 96F, SMF-28® Ultra fiber

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

Specifications

General Specifications	
Environment	Outdoor
Cable Type	Loose Tube

Temperature Range	
Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
Temperature Range, Installation	-30 °C - 70 °C (-22 °F - 158 °F)
Temperature Range, Operation	-40 °C - 70 °C (-40 °F - 158 °F)
Notes	Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

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Design Characteristics Cable

Fiber Count	Fibers per Tube	Number of Tube Positions	Number of Active Tubes	Buffer Tube Diameter
96 - 144	24	6	4 - 6	2.7 mm
288	24	12	12	2.7 mm

Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term	Min. Bend Diameter Installation	Min. Bend Diameter Operation	Cable Weight
96 - 144	12.5 mm	2700 N	890 N	376 mm	300 mm	139 kg/km
288	18.1 mm	2700 N	890 N	542 mm	362 mm	264 kg/km

□ □ □ □ U C - Y □ F □ □ D 2 0

1 2 3 4 5 6 7 8 9 10

1 Select fiber count.
- 96 fiber
- 120 fiber
- 144 fiber
- 288 fiber

2 Select fiber code.
- E = Single-mode (G.652.D)
- Z = Single-mode (G.652.D/ G.657.A1) SMF-28® Ultra fiber
- P = Single-mode (G.652) SMF-28® ULL
- F = Single-mode (G.655) LEAF®
- D = TXF™ Single-mode (G.654.E)

3 Defines cable type.
- U = ALTOS loose tube cable with 2.7 mm buffer tubes

4 Defines outer jacket.
- C = Single-jacket, single-armored

5 Defines fiber placement.
- Y = 24 fibers/buffer tube

6 Select length markings.
- 3 = Markings in meters
- 4 = Markings in feet

7 Defines special jacket feature.
- F = FastAccess® Technology

8 Select performance option code.
- 01 = Single-mode (OS2) (Max. attenuation 0.4/0.4/0.3 dB/km)
- 00 = Single-mode (OS2) (Max. attenuation 0.35/0.35/0.25 dB/km)
- 19 = Single-mode (Ultra Low-Loss) (Max. attenuation 0.33/–/0.19 dB/km)
- 22 = Single-mode (SMF-28 Ultra (Max. attenuation 0.34/0.34/0.22 dB/km)
- 01 = Single-mode (TXF) (Max. attenuation –/–/0.20 dB/km)
- 01 = Single-mode NZDSF* (Max. attenuation –/–/0.25 dB/km)

**Non-Zero Disperson-Shifted Single-mode Fiber*

9 Defines cable type.
- D = Gel-free cable

10 Defines special requirements.
- 20 = No special requirements

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RoHS COMPLIANT

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