

# ALTOS® Gel-Filled Ribbon Cable, 1728 Fibers

An Evolant® Solutions Product

## features and benefits |

<b>Based on stranded loose tube design</b>	Crew familiarity with methods and procedures
<b>Innovative water-blocking technology</b>	Prevents water penetration
<b>SZ-stranded, flexible buffer tubes</b>	Isolate fiber ribbons from harsh environmental elements
<b>288-fiber buffer tubes</b>	Enables better fiber management

Corning Cable Systems' revolutionary 1728 fiber ALTOS® Ribbon Cables are the new design for ultra high-count cables in outside plant applications. The design is based on the reliable stranded loose tube cable that has been an industry standard for years. These cables are protected against water penetration by gel-filled tubes, innovative waterblocking tapes, and yarns that swell to absorb water. The SZ-stranded, flexible buffer tubes isolate fiber ribbons from installation and environmental rigors and the precise fiber and ribbon geometries result in excellent mass-splicing yields. The 288-fiber buffer tube design simplifies fiber management when routing the tubes in hardware and during fiber splicing.



# ALTOS<sup>®</sup> Gel-Filled Ribbon Cable, 1728 Fibers

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## specifications |

<b>Maximum Tensile Loads</b>	Short-Term: 2700 N (600 lbf) Long-Term: 890 N (200 lbf)
<b>Temperatures</b>	Storage: -40° to +70°C (-40° to +158°F) Installation: -30° to +70°C (-22° to +158°F) Operation: -40° to +70°C (-40° to +158°F)
<b>Common Installations</b>	Outdoor aerial, duct and direct buried for distribution segment

Nominal Weight Fiber kg/km (lb/1000 ft)	Nominal Outer Diameter mm (in)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
520 (350)	34 (1.3)	51 (20.0)	51 (20.0)

## transmission performance |

<b>Fiber Code</b>	<b>E</b>
<b>Performance Option Code</b>	<b>01</b>
<b>Fiber Type</b>	Single-mode (1310/1383/1550 nm)
<b>Maximum Attenuation (dB/km)</b>	0.4/0.4/0.3
<b>Minimum LED Bandwidth (MHz•km)</b>	- / - / -
<b>Minimum Effective Modal Bandwidth (MHz•km)</b>	- / - / -
<b>Serial Gigabit Ethernet Distance (m)</b>	5000/ - / -
<b>Serial 10 Gigabit Ethernet Distance (m)</b>	10000/ - /40000

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## ordering information |

H	2	8	E	Q	4	-	1	4	1	0	1	-	5	3
1	2	3	4	5	6		7	8	9	10	11	12	13	14

### |1-3

Defines fiber count.  
1728 = H28

### |6

Defines outer jacket.  
4 = All-dielectric

### |9

Defines tensile strength.  
1 = 2700 N, standard

### |13-14

Defines special requirements.  
53 = Standard jacket print

### |4

Fiber code (see  
Transmission  
Performance table).

### |7

Defines fiber placement.  
1 = Standard

### |10-11

Performance option  
code (see Transmission  
Performance table).

### |5 / 12

Defines cable type.  
Q = ALTOS® Ribbon  
Cable

### |8

Defines length markings.  
4 = Markings in feet  
(standard)

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notes |

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**Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA**  
**800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • [www.corning.com/cablesystems](http://www.corning.com/cablesystems)**

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