

ALTOS® Lite™ Gel-Free, Single-Jacket/Single-Armored Cables 12-288 Fibers, Enhanced

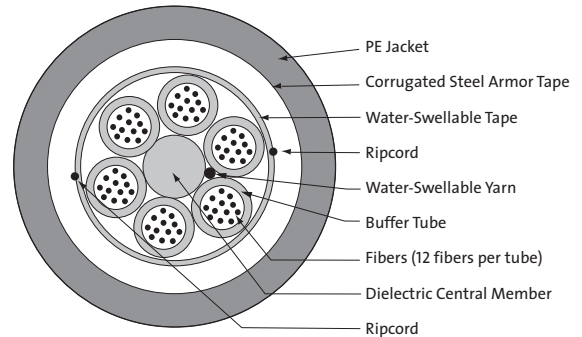
An Evolant® Solutions Product

Description

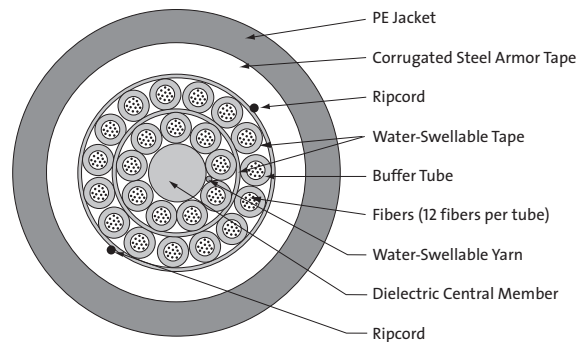
ALTOS® Lite™ Gel-Free, Single-Jacket, Single-Armored Cables are lightweight, reduced-diameter, armored cables designed for direct burial, duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

Features / Benefits

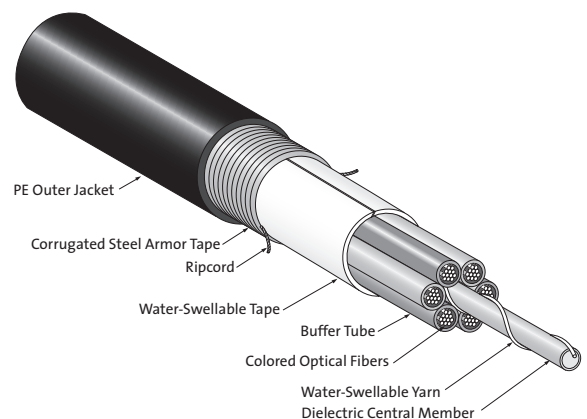
- Gel-free design is fully waterblocked using craft-friendly water-swappable materials, making cable access simple and requiring no clean up
- Corrugated steel tape armor provides rodent resistance for direct-buried applications
- Flexible, craft-friendly buffer tubes are easy to route in closures
- S-Z stranded, loose tube design isolates fibers from installation and environmental rigors and facilitates midspan access
- Dielectric central strength member has no preferential bend and requires no bonding or grounding
- Medium-density PE jacket is rugged, durable and easy to strip
- Meets industry standards and specifications including ICEA-640, Telcordia GR-20 and is listed with RDUP (formerly RUS)
- Over 20 ft of buffer tube can be stored in splice closures and pedestals, providing flexibility for midspan access



ALTOS Lite Gel-Free, Single-Jacket/Single-Armored Cable
72-Fiber, Enhanced | Drawing ZA-3381



ALTOS Lite Gel-Free, Single-Jacket/Single-Armored Cable
288-Fiber, Enhanced | Drawing ZA-3382



ALTOS Lite Gel-Free, Single-Jacket/Single-Armored Cable, Enhanced
| Drawing ZA-3383



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Specifications

Maximum Tensile Loads	Short-Term: 2700 N (600 lbf) Long-Term: 890 N (200 lbf)
Storage Temperature	-40° to +70°C (-40° to +158°F)
Installation Temperature	-30° to +70°C (-22° to +158°F)
Operating Temperature	-40° to +70°C (-40° to +158°F)

Fiber Count	Maximum Fibers per Tube	Number of Tube Positions	Number of Active Tubes	Central Member	Nominal Weight kg/km (lb/1000 ft)	Nominal Outer Diameter mm (in) ¹	Minimum Bend Radius	
							Loaded cm (in)	Installed cm (in)
12-72	12	6	1-6	Dielectric	129 (87)	12.1 (0.48)	18.2 (7.1)	12.1 (4.8)
84-96	12	8	7-8	Dielectric	163 (109)	13.8 (0.54)	20.7 (8.1)	13.8 (5.4)
108-144	12	12	9-12	Dielectric	247 (166)	17.5 (0.69)	26.3 (10.3)	17.5 (6.9)
156-216	12	18	13-18	Dielectric	233 (156)	17.7 (0.70)	26.6 (10.5)	17.7 (7.0)
228-288	12	24	19-24	Dielectric	293 (196)	20.0 (0.79)	30.0 (11.8)	20.0 (7.9)

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Transmission Performance Table

Fiber Code	K	C	E	E
Performance Option Code	30	31	01	00
Fiber Type	62.5/125 μm (850/1300 nm)	50/125 μm (850/1300 nm)	Single-mode (1310/1383/1550 nm)	Single-mode (1310/1383/1550 nm)
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	0.4/0.4/0.3	0.35/0.35/0.25
Minimum LED Bandwidth (MHz•km)	200/500	700/500	- / - / -	- / - / -
Minimum Effective Modal Bandwidth (MHz•km)	220/ -	950/ -	- / - / -	- / - / -
Serial Gigabit Ethernet Distance (m)	300/550	750/600	5000/ - / -	5000/ - / -
Serial 10 Gigabit Ethernet Distance (m)	33/ -	150/ -	10000/ - /40000	10000/ - /40000

Ordering Information

Contact Corning Cable Systems Customer Service Representative for other options.

U C - T **1** **D 2 0**
 1 **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14**

1 - 3 Select fiber count (012 to 288, increments of 12).

4 Select fiber code (see Transmission Performance Table).

5 / 12 Defines cable type.

U/D = ALTOS® Gel-Free Cable

6 Defines jacket.

C = Armor Lite™ Cable jacket

7 Defines fiber placement.

T = 12 fibers/buffer tube (standard)

8 Select length markings.

4 = Markings in feet (standard)

3 = Markings in meters

9 Defines tensile strength.

1 = 2700 N/600 lb (standard)

10 - 11 Select performance option code
(see Transmission Performance Table).

13 - 14 Defines special requirements.

20 = No special requirements

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Solutions

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-901-5973 • International: +1-828-901-5000 • www.corning.com/cablesystems

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