ALTOS® Lite™ Cables
Single-Jacket/Single-Armor, 2-288 Fibers

An Evolant® Solutions Product

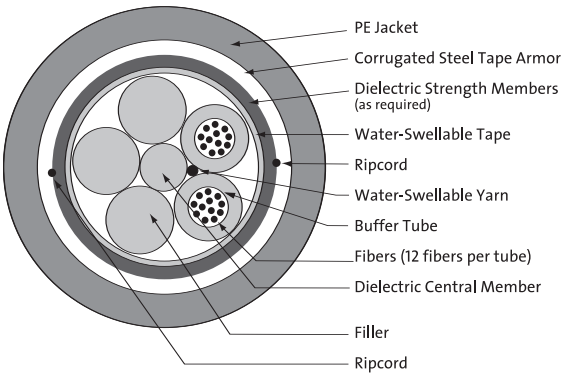
Corning
Cable Systems

Description

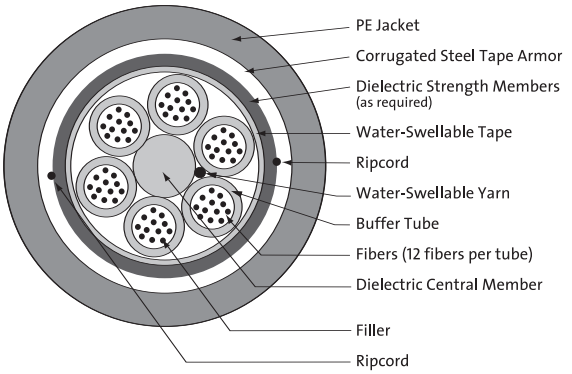
ALTOS® Lite™ Single-Jacket/Single-Armor Cables are lightweight, reduced-diameter, armored cables designed for direct burial, duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical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

Features / Benefits

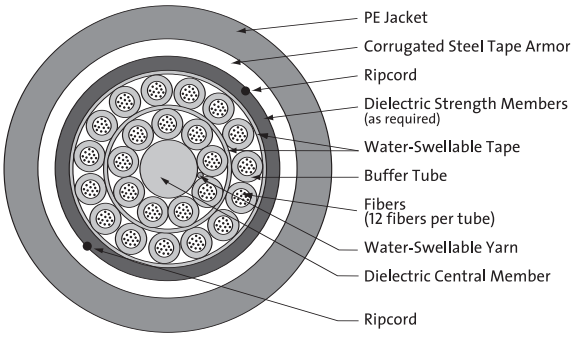
- Corrugated steel tape armor provides rodent resistance for direct-buried applications
- Flexible, craft-friendly buffer tubes are easy to route in closures
- Standard buffer tube size reduces the number of access tools required by craft personnel
- Cables incorporate an innovative waterblocking design, eliminating the need for traditional flooding compound and providing efficient and craft-friendly cable preparation
- S-Z stranded, loose tube design isolates fibers from installation and environmental rigors and facilitates midspan access
- Dielectric strength members have no preferential bend and require no bonding or grounding
- Medium-density PE jacket is rugged, durable and easy to strip
- Meets industry standards and specifications including ICEA-640 and Telcordia GR-20, and is listed with RDUP (formerly RUS)
- Up to 75 ft of buffer tube can be stored in splice closures and pedestals, providing flexibility for midspan access



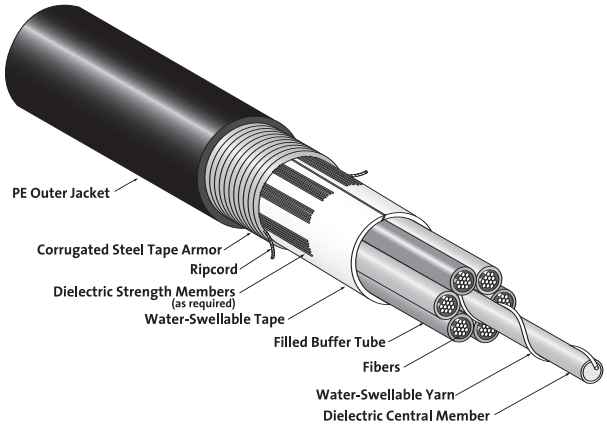
24-Fiber Single-Jacket/Single-Armor ALTOS Lite Cable | Drawing ZA-2647



72-Fiber Single-Jacket/Single-Armor ALTOS Lite Cable | Drawing ZA-2648



288-Fiber Single-Jacket/Single-Armor ALTOS Lite Cable | Drawing ZA-2661



ALTOS Lite Cable, Single-Jacket/Single-Armor | Drawing ZA-1610

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Product Specifications

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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)	Minimum Bend Radius Installed cm (in)
2-60	12	5	1-5	Dielectric	148 (111)	12.9 (0.51)	19.4 (7.6)	13.5 (5.1)
61-72	12	6	6	Dielectric	173 (124)	13.9 (0.55)	20.9 (8.2)	14.2 (5.5)
73-96	12	8	7-8	Dielectric	217 (152)	15.9 (0.63)	23.9 (9.4)	16.0 (6.3)
97-120	12	10	9-10	Dielectric	267 (185)	17.8 (0.70)	26.7 (10.5)	17.9 (7.0)
121-192	12	16	11-16	Dielectric	287 (194)	19.5 (0.77)	29.3 (11.5)	19.0 (7.7)
193-216	12	18	17-18	Dielectric	318 (212)	20.3 (0.80)	30.5 (12.0)	19.8 (8.0)
217-240	12	20	19-20	Dielectric	347 (232)	21.2 (0.83)	31.8 (12.5)	20.8 (8.3)
241-288	12	24	21-24	Dielectric	416 (278)	23.5 (0.93)	35.3 (13.9)	22.9 (9.3)

Notes:
[1] *Actual diameter may vary by ±5%.*

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Transmission Performance Table

Fiber Code	K	C	E	E	W	W
Performance Option Code	**30**	**31**	**01**	**00**	**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)	NexCor® Single-mode Fiber	NexCor Single-mode Fiber
Maximum Attenuation (dB/km)	3.5/1.0	3.5/1.5	0.4/0.4/0.3	0.35/0.35/0.25	0.4/0.4/0.3	0.35/0.35/0.25
Minimum LED Bandwidth (MHz•km)	200/500	500/500	– / – / –	– / – / –	– / – / –	– / – / –
Minimum Effective Modal Bandwidth (MHz•km)	220/ –*	510/ –*	– / – / –	– / – / –	– / – / –	– / – / –
Serial Gigabit Ethernet Distance (m)	300/550	600/600	5000/ – / –	5000/ – / –	5000/ – / –	5000/ – / –
Serial 10 Gigabit Ethernet Distance (m)	33/ –	82/ –	10000/40000	10000/40000	10000/40000	10000/40000

** EMB when deployed with 850 nm, 1 Gb/s VCSELs as predicted by RML Bandwidth using FOTP-204.*

Ordering Information

Contact Customer Service for other options.

□ □ □ □ **W C - T** □ **1** □ □ **A 2 0**

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 - 3 Select fiber count (002 to 288).

4 Select fiber code (see Transmission Performance Table).

5 / 12 Defines cable type.
W/A = ALTOS® Cable

6 Defines jacket.
C = Armor Lite™ Cable jacket

7 Defines fiber placement.
T = 12 fiber/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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