

ALTOS® Double-Jacket, Single-Armored Cables, 12-288 Fibers, Enhanced

An Evolant®
Solutions Product

features and benefits |

Flexible, craft-friendly buffer tubes	Easy to route in closures
Two jacket layers and one steel tape armor layer	Provide rodent resistance for direct buried applications
Innovative water-blocking design	Eliminates the need for traditional flooding compound and provides efficient and craft-friendly cable preparation
Dielectric central strength member has no preferential bend	Requires no bonding or grounding
Medium-density PE jacket	Rugged, durable and easy to strip

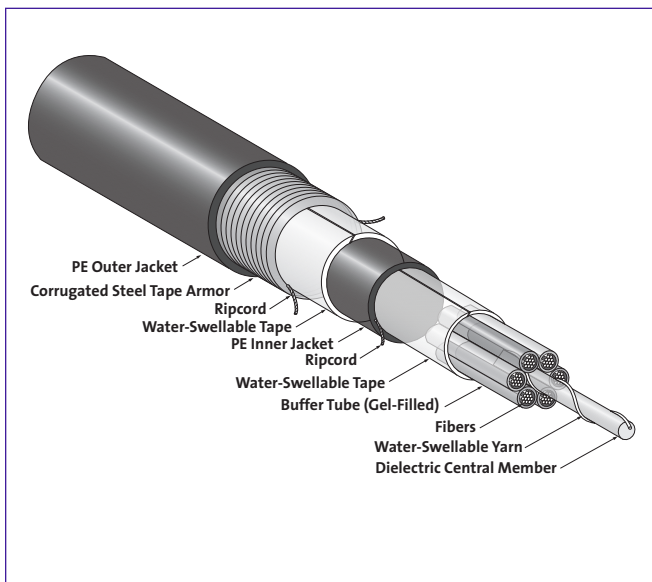
ALTOS® Double-Jacket, Single-Armored Cables, Enhanced are rugged armored cables designed for below ground installation while suitable for duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

standards |

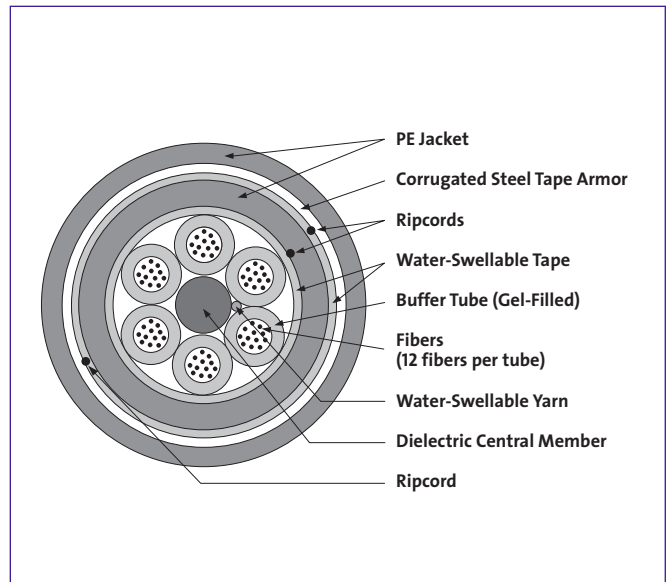
Telcordia GR-20

ICEA-640

RDUP listed (formerly RUS)



ALTOS Double-Jacket, Single-Armored Cable, 72-Fiber, Enhanced | Drawing ZA-3611

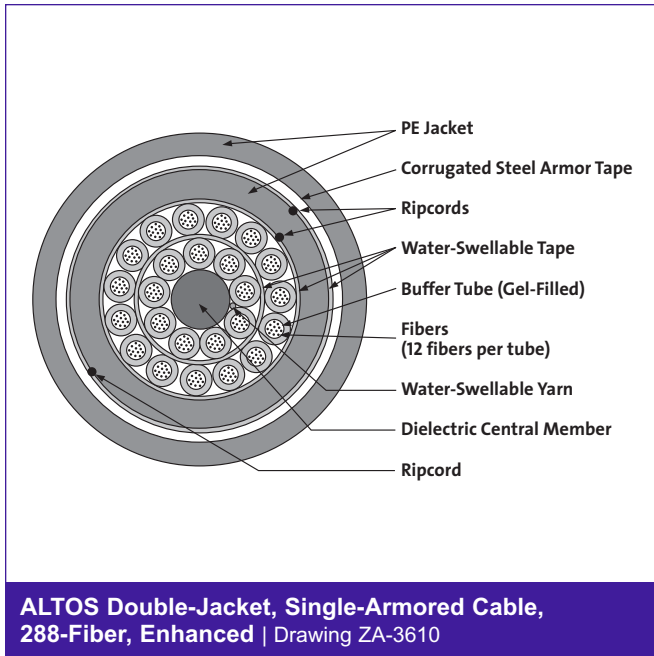


ALTOS Double-Jacket, Single-Armored Cable, 72-Fiber, Enhanced | Drawing ZA-3609



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specifications |

Maximum Tensile Loads Short-Term: 2700 N (600 lbf)
 Long-Term: 890 N (200 lbf)

Temperatures 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)

Corning Cable Systems 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.

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)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
12-72	12	6	1-6	Dielectric	179 (120)	14.3 (0.56)	21.5 (8.4)	14.3 (5.6)
84-96	12	8	7-8	Dielectric	219 (147)	16.0 (0.63)	24.0 (9.4)	16.0 (6.3)
108-144	12	12	9-12	Dielectric	318 (213)	19.7 (0.78)	29.6 (11.6)	19.7 (7.8)
156-216	12	18	13-18	Dielectric	312 (209)	19.9 (0.78)	29.9 (11.8)	19.9 (7.8)
228-288	12	24	19-24	Dielectric	384 (257)	22.2 (0.87)	33.3 (13.1)	22.2 (8.7)



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transmission performance |

Fiber Code	K	T	E	E
Performance Option Code	30	31	01	00
Optical Fiber Type (µm)	62.5/125	50/125	Single-mode	Single-mode
ISO/IEC 11801 Nomenclature	OM1	OM2	OS2	OS2
Wavelength (nm)	850/1300	850/1300	1310/1383/1550	1310/1383/1550
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 Over Filled Launch (OFL) Bandwidth (MHz•km)	200/500	700/500	- / - / -	- / - / -
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	220/ -	950/ -	- / - / -	- / - / -
Serial 1 Gigabit Ethernet Distance (m)	300/550	750/600	5000/ - / -	5000/ - / -
Serial 10 Gigabit Ethernet Distance (m)	33/ -	150/ -	10000/ - /40000	10000/ - /40000



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ordering information | Contact Customer Service at 800-743-2671 for non-standard offerings.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	U	5	-	T	<input type="checkbox"/>	1	<input type="checkbox"/>	<input type="checkbox"/>	A	2	0
1	2	3	4	5	6		7	8	9	10	11	12	13	14

|1-3

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

|6

Defines jackets.
5 = Armored Cable Jacket

|8

Select length markings.
4 = Markings in feet (standard)
3 = Markings in meters

|10-11

Select performance option code (see Transmission Performance table).

|4

Select fiber code (see Transmission Performance table).

|7

Defines fiber placement.
T = 12 fibers/buffer tube (standard)

|9

Defines tensile strength.
1 = 2700 N/600 lb (standard)

|13-14

Defines special requirements.
20 = No special requirements

|5 / 12

Defines cable type.
U / A = ALTOS® Cable, Enhanced

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