

ALTOS® Triple-Jacket, Double-Armored Cables, 12-216 Fibers, Enhanced

An Evolant®
Solutions Product

features and benefits |

Three jacket layers and two steel tape armor layers	Provide superior rodent resistance for direct-buried applications
Flexible, craft-friendly buffer tubes	Facilitate easy routing in closures
Cable core features innovative waterblocking technology	Eliminates the need for traditional flooding compound and provides efficient and craft-friendly cable preparation
Medium-density polyethylene jacket	Makes cable rugged and durable while being flexible and easy to strip
Exceeds the RDUP requirements for midspan buffer tube slack storage	Provides flexibility for midspan access applications

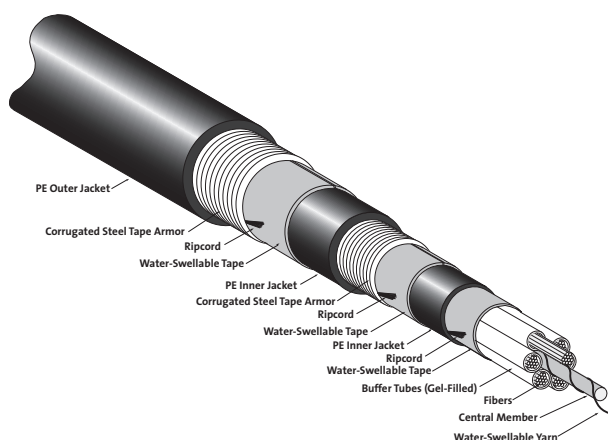
ALTOS® Triple-Jacket, Double-Armored Cables are rugged, armored cables designed for direct-buried installations. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

standards |

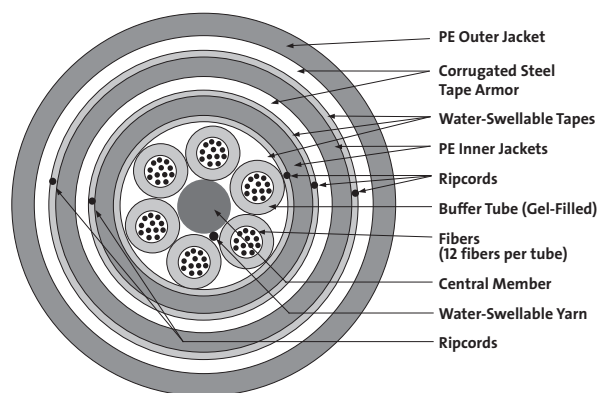
Telcordia GR-20

ICEA-640

RDUP listed (formerly RUS)



ALTOS Triple-Jacket,
Double-Armored Cable | Drawing ZA-3577



ALTOS Triple-Jacket,
Double-Armored Cable | Drawing ZA-3578

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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 indoor/outdoor 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 Cable 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	317 (213)	18.3 (0.72)	27.5 (10.8)	18.3 (7.2)
84-96	12	8	7-8	Dielectric	371 (249)	20.0 (0.79)	30.0 (11.8)	20.0 (7.9)
108-144	12	12	9-12	Dielectric	501 (336)	23.8 (0.94)	35.7 (14.1)	23.8 (9.4)
156-216	12	18	13-18	Dielectric	496 (333)	24.0 (0.94)	36.0 (14.2)	24.0 (9.4)

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	6	-	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.
012-216, increments of 12

|4

Select fiber code
(see Transmission Performance table).

|5 / 12

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

|6

Defines jackets.
6 = Triple-jacketed/double-armored

|7

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

|8

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

|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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notes |

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