

ALTOS® All-Dielectric Cables, 12-288 Fibers, Enhanced

An Evolant®
Solutions Product

features and benefits |

| | |
|---|---|
| Flexible, craft-friendly buffer tubes | Easy to route in closures |
| Cables incorporate an innovative water-blocking design | Eliminates the need for traditional flooding compound and provides efficient and craft-friendly cable preparation |
| SZ-stranded, loose tube design | Isolates fibers from installation and environmental rigors and facilitates midspan access |
| Dielectric central strength member | No preferential bend and requires no bonding or grounding |
| Medium-density PE jacket | Rugged, durable and easy to strip |

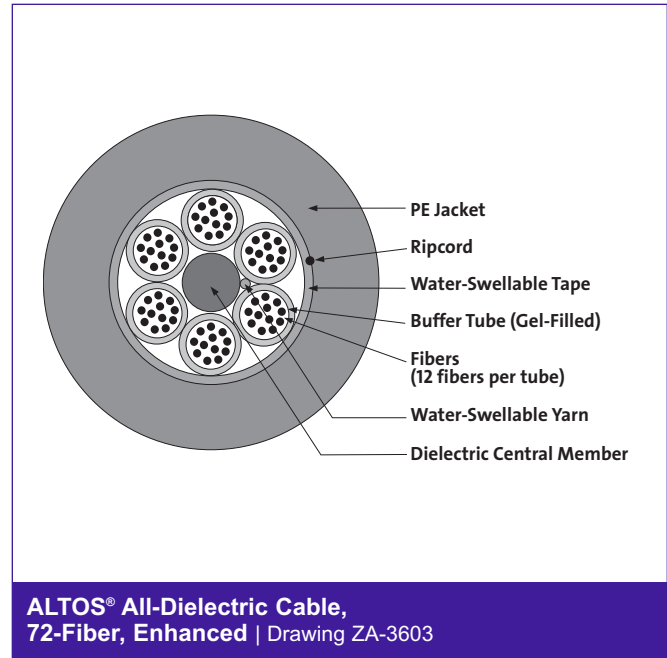
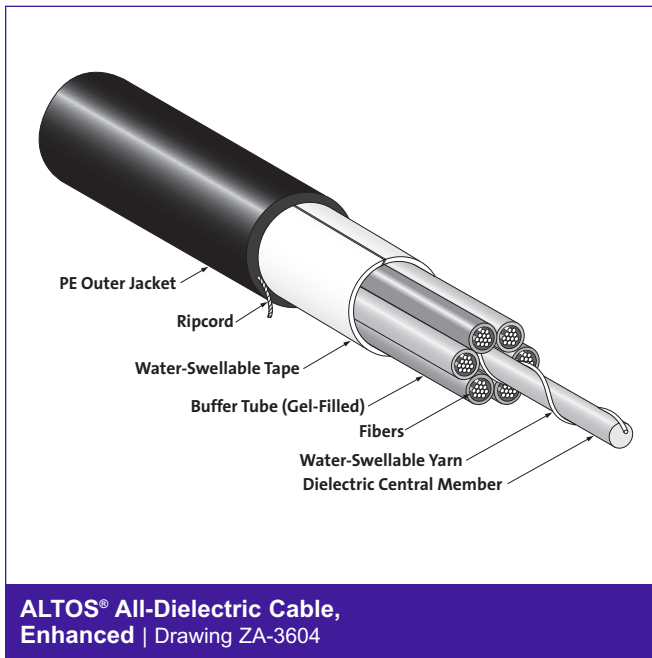
ALTOS® All-Dielectric Cables, Enhanced are lightweight cables designed for duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

standards |

Telcordia GR-20

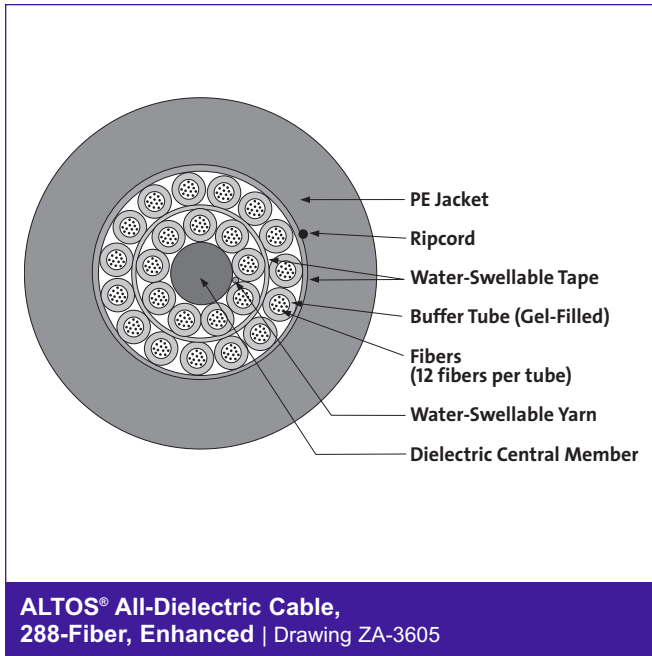
ICEA-640

RDUP listed (formerly RUS)



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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 | 80 (54) | 10.5 (0.41) | 15.8 (6.2) | 10.5 (4.1) |
| 84-96 | 12 | 8 | 7-8 | Dielectric | 108 (72) | 12.2 (0.48) | 18.3 (7.2) | 12.2 (4.8) |
| 108-144 | 12 | 12 | 9-12 | Dielectric | 177 (119) | 15.8 (0.62) | 23.7 (9.3) | 15.8 (6.2) |
| 156-216 | 12 | 18 | 13-18 | Dielectric | 169 (113) | 16.0 (0.63) | 24.0 (9.4) | 16.0 (6.3) |
| 228-288 | 12 | 24 | 19-24 | Dielectric | 226 (152) | 18.2 (0.72) | 27.3 (10.7) | 18.2 (7.2) |



ALTOS® All-Dielectric Cables, 12-288 Fibers, Enhanced

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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 |



ALTOS® All-Dielectric Cables, 12-288 Fibers, Enhanced

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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 | 4 | - | 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)

|4

Select fiber code
(see Transmission Performance table).

|5 / 12

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

|6

Defines jackets.
4 = Dielectric

|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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