ALTOS® Cable with FastAccess™ Technology

features and benefits |

|	
Contains FastAccess Technology	Innovative cable jacket feature reduces cable end access time by up to (will vary by installer) 50 percent and reduces over-all risk of inadvertent fiber damage as well as risk to installers from sharp cable access tools
Medium-density polyethylene jacket	Rugged and durable, while providing superior protection against UV radiation, fungus, abrasion and other environmental factors.
Fully waterblocked loose tube all-dielectric gel-free design	Simple access and no clean up
Industry-standard performance	Meets the requirements of Telcordia GR-20, Issue 3 and ICEA S-87-640
Available in 62.5 µm, 50 µm, single-mode and hybrid versions	Ready for any application including Gigabit Ethernet and 10 Gigabit Ethernet

Corning Cable Systems ALTOS® Cable with FastAccess™ Technology is an all-dielectric gel-free cable designed for outdoor and limited indoor use for campus backbones in lashed aerial and duct installations. The innovative FastAccess Technology combined with the all-dielectric gel-free loose tube design simplifies removal of the cable jacket reducing cable end access time by up to 50 percent. Equally important is the overall reduction in risk of inadvertent fiber damage and risk to installers from sharp cable access tools. The cable is fully waterblocked using craft-friendly, water-swellable materials, which means no clean up is required. The flexible buffer tubes are easy to route in closures, and the SZ-stranded, loose tube design isolates fibers from installation and environmental rigors while allowing easy midspan access. The all-dielectric gel-free cable construction requires no bonding or grounding, and these cables have a medium-density polyethylene jacket that is rugged, durable, and easy to handle. A variety of fiber types are available including 62.5 µm, 50 µm, single-mode and hybrid versions, as well as fibers with Gigabit Ethernet and 10 Gigabit Ethernet performance.
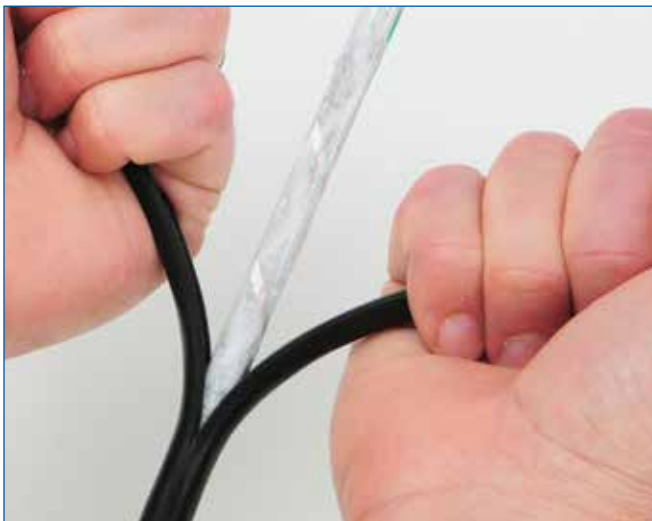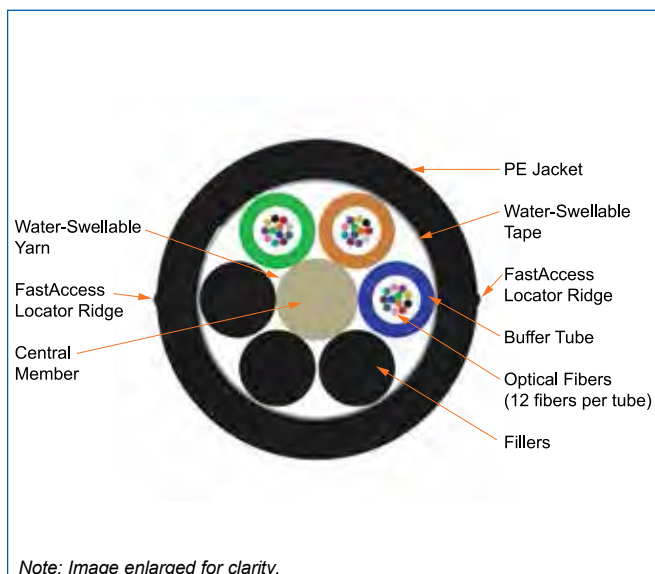

ALTOS Cable with FastAccess Technology, All-Dielectric, Gel-Free | Photo LAN2866
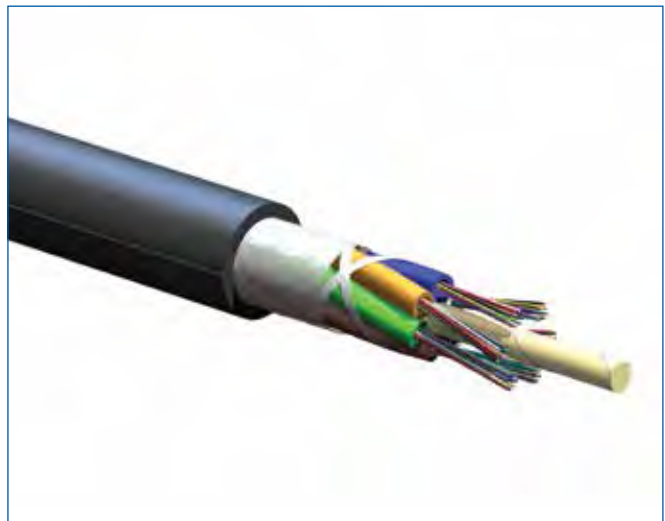
ALTOS Cable with FastAccess Technology, All-Dielectric, Gel-Free | Photo LAN2962
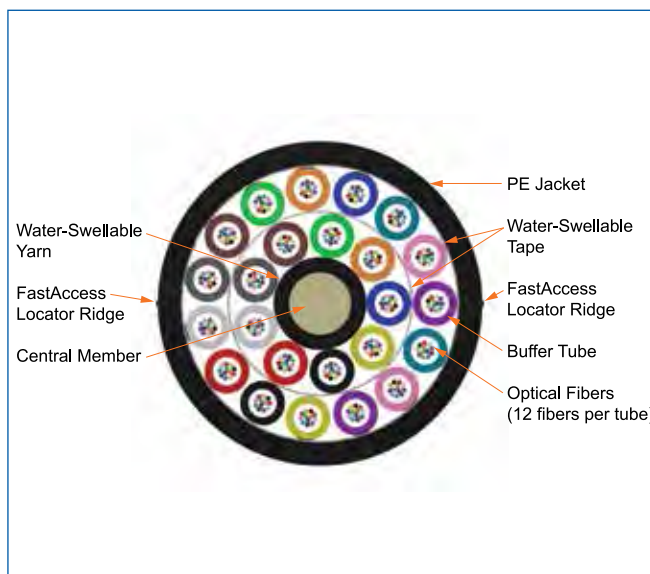
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ALTOS® Cable with FastAccess™ Technology

**ALTOS Cable with FastAccess™ Technology,
All-Dielectric, Gel-Free, 36-Fiber** | Drawing ZA-3878

Note: Image enlarged for clarity.

**ALTOS Cable with FastAccess Technology,
All-Dielectric, Gel-Free, 288-Fiber** | Drawing ZA-3879

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)

Common Installations	Outdoor lashed aerial and duct; indoor when installed according to National Electrical Code® (NEC®) Article 770

Design and Test Criteria	ANSI/ICEA S-87-640

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 Cable Weight kg/km (lb/1000 ft)	Nominal Outside Diameter mm (in)	Minimum Bend Radius Loaded cm (in)	Installed cm (in)
2-72	12	6	1-6	Dielectric	73 (49)	10.5 (0.41)	15.8 (6.2)	10.5 (4.1)
73-96	12	8	7-8	Dielectric	98 (66)	12.2 (0.48)	18.3 (7.2)	12.2 (4.8)
97-144	12	12	9-12	Dielectric	162 (109)	15.8 (0.62)	23.7 (9.3)	15.8 (6.2)
145-216	12	18	13-18	Dielectric	147 (99)	16.0 (0.63)	24.0 (9.4)	16.0 (6.3)
217-288	12	24	19-24	Dielectric	196 (131)	18.2 (0.72)	27.3 (10.7)	18.2 (7.2)

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ALTOS® Cable with FastAccess™ Technology

transmission performance |

Optical Fiber Type (μm)	62.5 Multimode	50 Multimode	50 Multimode	50 Multimode	50 Multimode	Single-mode*
ISO/IEC 11801 Nomenclature	OM1	OM2	OM3	OM4	OM4	OS2
Fiber Code	K	T	T	T	T	E
Performance Option Code	30	31	80	90	91	01
Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	850/1300	1310/1383/1550
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.4/0.4/0.3
Minimum Over Filled Launch (OFL) Bandwidth (MHz•km)	200/500	700/500	1500/500	3500/500	3500/500	– / – / –
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	220/ –	950/ –	2000/ –	4700/ –	5350/ –	– / – / –
Serial 1 Gigabit Ethernet Distance (m)	300/550	750/600	1000/600	1000/600	1000/600	5000 / – / –
Serial 10 Gigabit Ethernet Distance (m)	33/ –	150/ –	300/ –	550[†]/ –	600[‡]/ –	10000/ – /40000

ITU 652.D compliant.
[†] *Assumes 1.0 dB maximum total connector/splice loss.*
[‡] *Assumes 0.7 dB maximum total connector/splice loss.*

Notes:
1) Improved attenuation and bandwidth options available.
2) Bend-insensitive single-mode fibers available on request.
3) Contact Corning Cable Systems Customer Service Representative for additional information.

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or
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