

ALTOS® Figure-8 Gel-Free Cables

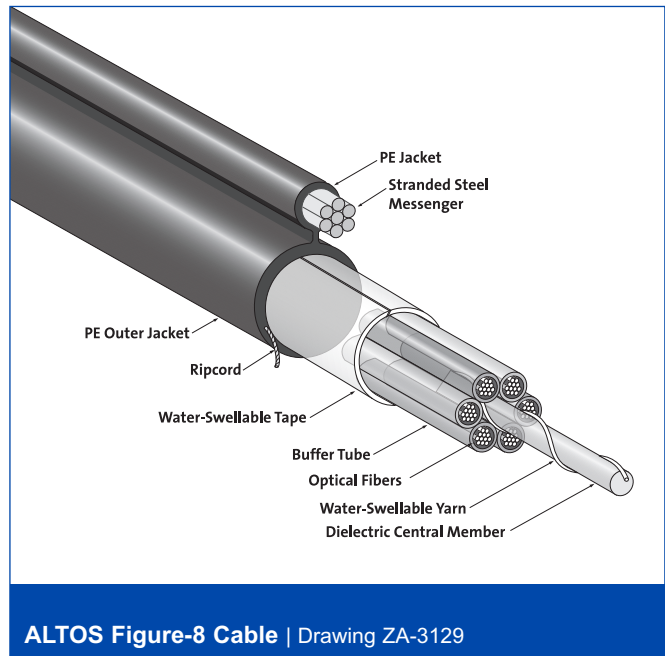
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features and benefits |

Fully waterblocked loose tube, gel-free design	Simple access and no clean up
Medium-density polyethylene jacket	Rugged, durable and easy to strip
Figure-8 cable design	Easy, one-step installation
Available in 62.5 µm, 50 µm, single-mode and hybrid versions	Ready for any application including Gigabit Ethernet and 10 Gigabit Ethernet

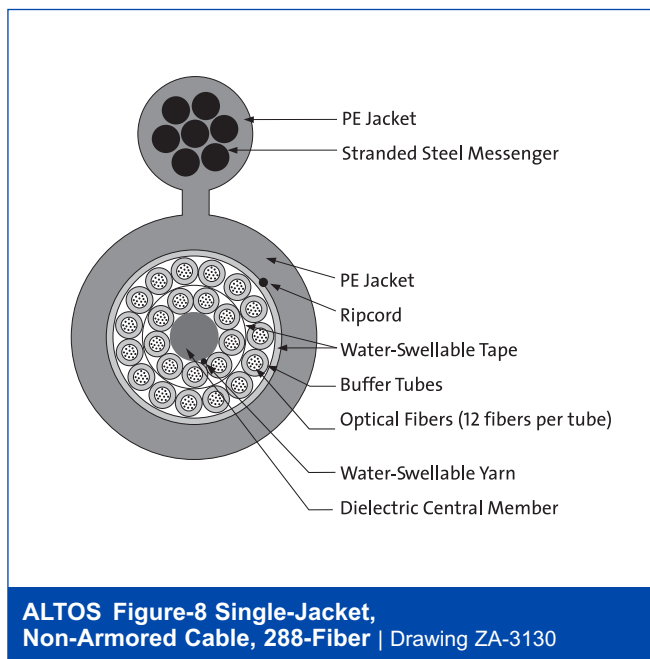
Corning Cable Systems ALTOS® Figure-8 Gel-Free Cables are self-supporting aerial cables designed for easy and economical one-step installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber. The gel-free design is fully waterblocked using craft-friendly water-swappable materials, making cable access simple and requiring no clean up.

While the flexible, craft-friendly buffer tubes are easy to route in closures, the SZ-stranded, loose tube design isolates optical fibers from installation and environmental rigors and facilitates midspan access. The figure-8 cable design allows easy, one-step installation, using standard hardware and installation methods. These cables have a medium-density polyethylene jacket that is rugged, durable and easy to strip.



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specifications |

Maximum Tensile Loads	Short-Term:	See sag and tension information
	Long-Term:	See sag and tension information

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 self-supporting aerial
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Design and Test Criteria	ANSI/ICEA S-87-640
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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.

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specifications | (continued)

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)	Nominal Cable Height mm (in)	Minimum Bend Radius Loaded cm (in)	
Figure-8 (Non-Armored)									
2-72	12	6	1-6	Dielectric	297 (199)	10.5 (0.41)	22.1 (0.87)	15.8 (6.2)	10.5 (4.1)

Maximum Span with One Percent Installation Sag			
Number of Tube Positions	NESC Light m (ft)	NESC Medium m (ft)	NESC Heavy m (ft)
Figure-8 (Non-Armored)			
6	241 (790)	235 (770)	168 (550)
8	241 (790)	229 (750)	158 (520)
12	216 (710)	201 (660)	140 (460)
18	207 (680)	198 (650)	137 (450)
24	183 (600)	183 (600)	137 (450)

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transmission performance |

	LANscape® 62.5 Solutions	LANscape Pretium® 150 Solutions	LANscape Pretium 300 Solutions	LANscape Pretium 550 Solutions	LANscape Pretium 600 Solutions	Single-Mode
Fiber Code	K	T	T	T	T	E
Performance Option Code	30	31	80	90	91	01
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
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	1100/600	1100/600	5000 / - / -
Serial 10 Gigabit Ethernet Distance (m)	33/ -	150/ -	300/ -	550*/ -	600**/ -	10000/ - /40000

* Assumes 1.0 dB maximum total connector/splice loss.

** Assumes 0.7 dB maximum total connector/splice loss.

*** Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™ Systems solutions.

**** ITU 652.D compliant.

Notes:

1) Improved attenuation and bandwidth options available.

2) Bend-insensitive single-mode fibers available on request.

3) Contact a Corning Cable Systems Customer Service Representative for additional information.

4) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.

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notes |

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