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**Item # 956-426, MaxFlite 100 Base-T Ethernet cable - Quad construction**



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**MaxFlite 100 Base-T Ethernet cable - Quad construction**

MaxFlite data cables are high-performance, high-speed 100 Base-T Ethernet cables designed for use in aircraft IFE (In-Flight Entertainment) systems. They are also ideal for other applications using IEEE 1394, ARINC 629, and similar protocols. These cables feature our advanced LTE extruded expanded PTFE dielectric for increased velocity of propagation. They can also be used as components in more complex cables with additional components such as power wires, coaxial cables, or other types. MaxFlite cables meet the requirements of FAR 25.853/ Appendix F, Part 1 (a)(3) for burn/smoke test.

**Specifications**

<b>Inner Conductor (AWG)</b>	26
<b>Temperature rating (°C)</b>	150
<b>Differential Impedance</b>	100Ω ± 10%
<b>Jacket</b>	Transparent blue FEP.
<b>Component wire insulation</b>	LTE extruded expanded PTFE with sintered PTFE tape jacket.
<b>Component wire conductor</b>	Stranded SPC or SPCA.
<b>Inner Conductor Diameter - inches (mm)</b>	.0189 (.48)
<b>Inner Conductor Stranding</b>	19/38
<b>Inner Conductor Material</b>	SPCA (Silver-plated high-strength copper alloy)
<b>Insulation Diameter - inches (mm)</b>	.038 (.97)
<b>Inner shield</b>	Flat tin-plate copper braid, 92% minimum coverage.
<b>Inner Shield Diameter - inches (mm)</b>	.100 (2.54)
<b>Outer shield</b>	Round tin-plated copper braid, 85% minimum coverage.
<b>Outer Shield Diameter - inches (mm)</b>	.118 (3.00)
<b>Jacket Diameter - inches (mm)</b>	.138 (3.51)
<b>Min. Bend Radius - inches (mm)</b>	1.25 (32)

<b>Velocity of Propagation</b>	79%
<b>Capacitance (pF/ft)</b>	13.0
<b>Attenuation @ 10 MHz (dB/100 ft.)</b>	3.2
<b>Attenuation @ 100 MHz (dB/100 ft.)</b>	10.5
<b>Crosstalk (Next) @ 100 MHz</b>	<- 38 dB
<b>Time Delay (Ns/foot)</b>	1.29
<b>Weight - pounds/1000 feet (Kg/1000 M)</b>	19.0 (28.3)
<b>Identification</b>	Marker tape under jacket.
<b>Note:</b>	Higher temperature ratings (up to 260°C) available with plating other than tin on shield wires.
<b>Options</b>	Other insulation or shield materials and/or plating available on request.

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