



MIL-C-17 coaxial and twinaxial cables

Item Number : M17/093-RG178

Thermax/CDT Mil-C-17 cables are constructed with either solid or stranded silver plated conductors insulated with an extruded PTFE (polytetrafluoroethylene) dielectric. The outstanding electrical and mechanical properties of PTFE over a broad range of temperatures and frequencies make these Thermax/CDT coaxial cables the standard for a wide range of military and commercial applications.

Specifications

Conductor Diameter - inches (mm)	.012 (.057)
Conductor Type	Solid SPCW (Silver-plated copperweld (copper-covered steel)
Impedance	500
Max. Working Voltage	750
Jacket Diameter - inches (mm)	.071 (1.80)
Capacitance (pF/ft)	32.0 (105)
Weight - pounds/1000 feet (Kg/1000 M)	5.41 (8.05)
Attenuation @ 100 MHz (dB/100 ft.)	16.0
Attenuation @ 1 GHz (dB/100 ft.)	52.0
Attenuation @ 400 MHz (dB/100 ft.)	33.0
Insulation Diameter - inches (mm)	.033 (.838)
Jacket Type	Extruded FEP (Fluorinated Ethylene Propylene)
Insulation Type	Extruded PTFE (Polytetrafluoroethylene)
Braid Type	Single 38 SPC (Silver-plated copper)
Braid Diameter - inches (mm)	.051 (1.30)
Max. Conductor Resistance - Ohm/100 ft. (ohm/100 meters)	24.5 (80.2)
Min. Dielectric Strength - KV RMS	2.00
Min. Corona Extinction - KV RMS	1.00
Max. Power @ 100 MHz (Watts)	255
Max. Power @ 400 MHz (Watts)	113
Max. Power @ 1 GHz (Watts)	66
Thermax Type	RGS-178
Cable Type	coaxial

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