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MIL-C-17 coaxial and twinaxial cables

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)	.037 (.694)
Conductor Type	Solid SPCW (Silver-plated copperweld (copper-covered steel))
Impedance	50Ω
Max. Working Voltage	1,400
Jacket Diameter - inches (mm)	.195 (4.95)
Capacitance (pF/ft)	32.0 (105)
Weight - pounds/1000 feet (Kg/1000 M)	41.2 (61.3)
Attenuation @ 1 GHz (dB/100 ft.)	19.0
Attenuation @ 400 MHz (dB/100 ft.)	11.7
Insulation Diameter - inches (mm)	.116 (2.95)
Jacket Type	Extruded FEP (Fluorinated Ethylene Propylene)
Insulation Type	Extruded PTFE (Polytetrafluoroethylene)
Braid Type	Double 36 SPC (Silver-plated copper)
Braid Diameter - inches (mm)	.162 (4.11)
Max. Conductor Resistance - Ohm/100 ft. (ohm/100 meters)	1.95 (6.40)
Min. Dielectric Strength - KV RMS	5.00
Min. Corona Extinction - KV RMS	1.90
Max. Power @ 100 MHz (Watts)	2,400
Max. Power @ 400 MHz (Watts)	1,100
Max. Power @ 1 GHz (Watts)	650
Thermax Type	RGU-142
Cable Type	Coaxial