

Thermax

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Website: <http://www.thermaxcdt.com>**Item # M17/113-RG316, MIL-C-17 coaxial and twinaxial cables****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)	.020 (.159)
Conductor Type	7/0067 SPCW (Silver-plated copperweld (copper-covered steel))
Impedance	50Ω±937
Max. Working Voltage	900
Jacket Diameter - inches (mm)	.098 (2.49)
Capacitance (pF/ft)	32.0 (105)
Weight - pounds/1000 feet (Kg/1000 M)	9.89 (14.7)
Attenuation @ 100 MHz (dB/100 ft.)	11.0
Attenuation @ 1 GHz (dB/100 ft.)	38.0
Attenuation @ 400 MHz (dB/100 ft.)	21.0
Insulation Diameter - inches (mm)	.060 (1.52)
Jacket Type	Extruded FEP (Fluorinated Ethylene Propylene)
Insulation Type	Extruded PTFE (polytetrafluoroethylene)
Braid Type	Single 38 SPC (Silver-plated copper)
Braid Diameter - inches (mm)	.078 (1.98)
Max. Conductor Resistance - Ohm/100 ft. (ohm/100 meters)	8.41 (27.6)

Min. Dielectric Strength - KV RMS	2.00
Min. Corona Extinction - KV RMS	1.20
Max. Power @ 100 MHz (Watts)	430
Max. Power @ 400 MHz (Watts)	210
Max. Power @ 1 GHz (Watts)	130
Thermax Type	RGS-316
Cable Type	Coaxial