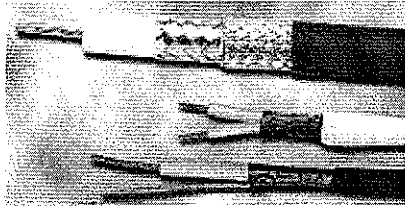


**Thermax**

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**Item # M17/113-RG316, MIL-C-17 coaxial and twinaxial cables**

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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**

<b>Conductor Diameter - inches (mm)</b>	.020 (.159)
<b>Conductor Type</b>	Solid SPCW (Silver-plated copperweld (copper-covered steel))
<b>Impedance</b>	50Ω
<b>Max. Working Voltage</b>	900
<b>Jacket Diameter - inches (mm)</b>	.098 (2.49)
<b>Capacitance (pF/ft)</b>	32.0 (105)
<b>Weight - pounds/1000 feet (Kg/1000 M)</b>	9.89 (14.7)
<b>Attenuation @ 100 MHz (dB/100 ft.)</b>	11.0
<b>Attenuation @ 1 GHz (dB/100 ft.)</b>	38.0
<b>Attenuation @ 400 MHz (dB/100 ft.)</b>	21.0
<b>Insulation Diameter - inches (mm)</b>	.060 (1.52)
<b>Jacket Type</b>	Extruded FEP (Fluorinated Ethylene Propylene)
<b>Insulation Type</b>	Extruded PTFE (polytetrafluoroethylene)
<b>Braid Type</b>	Single 38 SPC (Silver-plated copper)
<b>Braid Diameter - inches (mm)</b>	.078 (1.98)
<b>Max. Conductor Resistance - Ohm/100 ft. (ohm/100 meters)</b>	8.41 (27.6)
<b>Min. Dielectric Strength - KV RMS</b>	2.00
<b>Min. Corona Extinction - KV RMS</b>	1.20
<b>Max. Power @ 100 MHz (Watts)</b>	430
<b>Max. Power @ 400 MHz (Watts)</b>	210

Max. Power @ 1 GHz (Watts)	130
Thermax Type	RGS-316
Cable Type	Coaxial

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