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Item Detail

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Item Information



MIL-C-17 coaxial and twinaxial cables

Item Number : M17/128-RG400

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.

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Specifications

Conductor Diameter - inches (mm)	.038 (.616)
Conductor Type	SPC (Silver-plated copper)
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)	41.9 (62.4)
Attenuation @ 100 MHz (dB/100 ft.)	4.5
Attenuation @ 1 GHz (dB/100 ft.)	17.0
Attenuation @ 400 MHz (dB/100 ft.)	10.5
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)	.910 (2.98)

Min. Dielectric Strength - KV RMS	3.00
Min. Corona Extinction - KV RMS	1.90
Max. Power @ 100 MHz (Watts)	2,400
Max. Power @ 400 MHz (Watts)	1,050
Max. Power @ 1 GHz (Watts)	620
Thermax Type	RGS-400
Cable Type	coaxial