



## M17/060-RG142

### Technical Specification

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MIL-DTL-17 coaxial and twinaxial cables are constructed with silver plated conductors insulated with an extruded PTFE dielectric. The outstanding electrical and mechanical properties of PTFE over a broad range of temperatures and frequencies make these coaxial cables the standard for a wide range of military and commercial applications.

1st shield Diameter (in)	4.11
1st shield Diameter (mm)	0.162
1st Shield material	Double round silver plated copper braid
Competitors Part Number	RG142
Conductor Diameter Max (in)	.037
Conductor Diameter Max (mm)	0.94
Conductor Material	Silver Plated Copper Weld
Conductor resistance (ohms/1000ft)	19.5
Conductor resistance (ohms/1000m)	64
Conductor size (awg)	18
Conductor size (metric)	0.94
Diameter over insulation - Max. (mm)	2.95
Diameter over insulation - Min. (mm)	0.116
Insulation Material	PTFE
Jacket diameter (mm)	4.95
Jacket Material	FEP
Maximum Temperature °C	200
Minimum Temperature °C	-55
Specification	MIL-DTL-17
Stranding (metric)	1/0.94
Voltage (volts)	1900
Weight (kg/km)	61.3
Weight (lbs/kft)	41.2
Impedance (ohms)	50
Capacitance (pF/m)	105
Capacitance (pF/ft)	29.4

For technical assistance or to order this product please contact Giatech on:  
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Rendered: September 15, 2015, 5:08 pm  
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