



M17/138-00001

Technical Specification

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M17/138-00001
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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)	0.078
1st shield Diameter (mm)	1.98
1st Shield material	round silver plated copper braid
Conductor Diameter Min (in)	0.2
Conductor Diameter Min (mm)	0.159
Conductor Material	Silver Plated Copper Weld
Conductor resistance (ohms/1000ft)	84.1
Conductor resistance (ohms/1000m)	276
Diameter over insulation - Min. Inch	0.06
Diameter over insulation - Min. (mm)	1.52
Insulation Material	FEP
Jacket diameter (in)	0.098
Jacket diameter (mm)	2.49
Jacket Material	PFA
Maximum Temperature °C	230
Minimum Temperature °C	-55
Number of cores	1
Specification	MIL-DTL-17
Stranding (awg)	7/0.0067
Stranding (metric)	7/0.17
Voltage (volts)	900
Weight (kg/km)	14.7
Weight (lbs/kft)	9.89
Impedance (ohms)	50
Capacitance (pF/m)	96.46
Capacitance (pF/ft)	29.4

For technical assistance or to order this product please contact Giatech on:
Tel: +44 (0) 1202 890975 Email: info@giatech.eu

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Giatech offers in excess of 300 specialist standard products for applications in Airframe, Airborne Data, Mil Spec, Hookup / Equipment Wire, RF / Coaxial, Telecomms / Data and Aerospace Special Application. We also provide a Custom Cable Design service for your unique applications.

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