



M17/176-00002

Technical Specification

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)	0.1
1st shield Diameter (mm)	2.54
1st Shield material	Silver plated copper alloy
Competitors Part Number	MIL-STD-1553
Conductor Diameter Min (in)	0.024
Conductor Diameter Min (mm)	0.635
Conductor Material	Silver Plated High Strength Copper Alloy
Conductor resistance (ohms/1000ft)	28.4
Conductor resistance (ohms/1000m)	93.2
Conductor size (awg)	24
Diameter over insulation - Min. Inch	0.042
Diameter over insulation - Min. (mm)	1.07
Insulation Material	PTFE
Jacket diameter (in)	0.125
Jacket diameter (mm)	3.18
Jacket Material	PFA
Maximum Temperature °C	250
Minimum Temperature °C	-55
Number of cores	2
Specification	MIL-DTL-17
Stranding (awg)	19/0.005
Stranding (metric)	19/0.127
Voltage (volts)	1000
Weight (kg/km)	26.82
Weight (lbs/kft)	18
Impedance (ohms)	77
Capacitance (pF/m)	62,34
Capacitance (pF/ft)	19

For technical assistance or to order this product please contact Giotech on:
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