

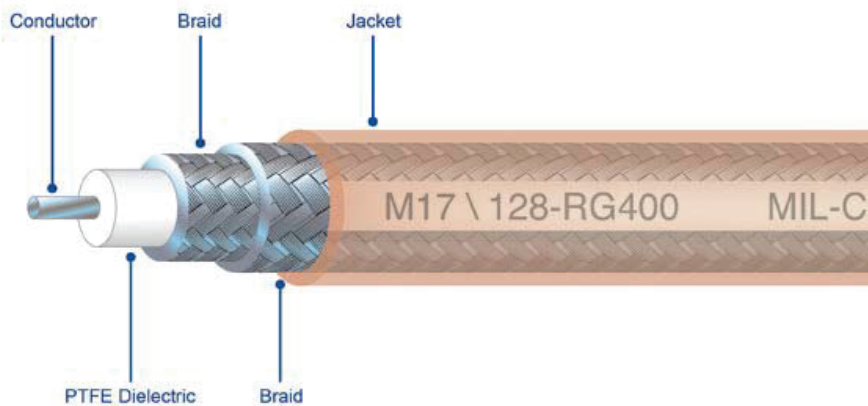
MIL-C-17 Coaxial Cable

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 coaxial cables the standard for a wide range of military and commercial applications.



- Key Features
- Product Construction
- Mechanical/Environmental Performance

- » Outstanding resistance to chemicals, oils and lubricants
- » High screen coverage to enhance electromagnetic interference (EMI) performance
- » Superior dielectrical properties



PTFE Insulations with FEP or PTFE jackets

Operating temperatures of - 55°C to + 200°C

Available with single or doubled silver plated copper screen

Impedance to 50, 75 or 95 Ohms

M17 P/N	Type	Impedance /Type	Conductor Type/Diameter Inches (mm)	Insulation Type Diameter Inches (mm)	Braid Type/ Diameter Inches (mm)	Jacket Type/ Diameter Inches (mm)	Weight lbs/Kft (kg/km)	Max Capacitance	Max Working Voltage	Max Conductor Resistance Ω	Max Attenuation (dB/100 ft)			Max Power (Watts)		
											100 MHz	400 MHz	1 GHz	100 MHz	400 MHz	1 GHz
M17/060- RG142	RGS-142	50 Ω coaxial	Solid SPCW .037 (.904)	Extruded PTFE .116 (2.95)	Double 36 SPC .162 (4.11)	Extruded FEP .195 (4.95)	41.2 (61.3)	32.0 (105)	1,400	1.95 (6.40)	4.4	9.3	15.5	2,400	1,100	650