

MIL-C-17F Coaxial Cables

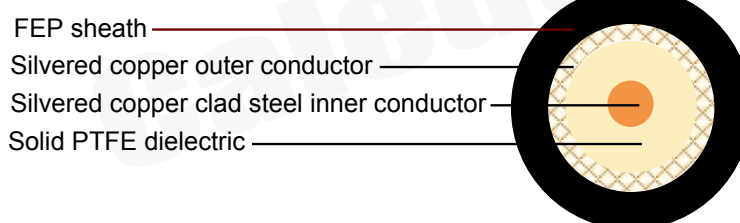
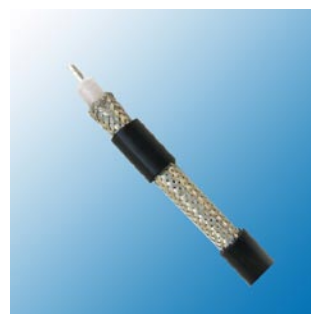
M17/111-RG303 (RG303/U)

Construction

Inner conductor	Silver plated copper clad steel (SCCS)	Φ0.94 mm
Dielectric	PTFE	Φ2.95 mm
Outer conductor (shield)	Silver plated copper	112 x 0.13 mm
Shield coverage		95%
Sheath	FEP	Φ4.32 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	94 pF/m
Velocity of propagation	70%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	63.5 Ohm/Km
Outer conductor resistance	7.5 Ohm/Km
Test/Operatig Voltage(max)	5.0 KV/1.9 KV
Operating temperature range	-55 °C - +200 °C
Copper Weight	- Kg/Km
Cable weight (approx.)	45 Kg/Km
Screening effectiveness	60 dB



Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	8.9	2.71
100	12.8	3.90
200	18.4	5.61
400	25.8	7.87
700	36.1	11.01
900	41.0	12.50
1000	44.3	13.51
1500	52.3	15.95
2000	61.4	18.72
3000	82.0	25.00

Return loss

30-300 MHz	>31dB
300-600 MHz	>26dB
600-900 MHz	>23dB