

# MIL-C-17F Coaxial Cables

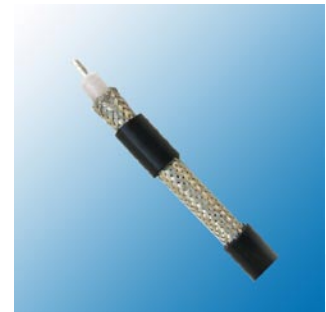
## M17/110-RG302 (RG302/U)

### Construction

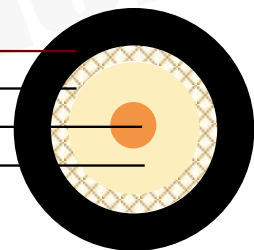
Inner conductor	Silver plated copper clad steel (SCCS)	Φ064 mm
Dielectric	PTFE	Φ3.71 mm
Outer conductor (shield)	Silver plated copper (0.13mm)	Φ4.21 mm
Shield coverage		90%
Sheath	FEP	Φ5.13 mm

### Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	63.7 pF/m
Velocity of propagation	70%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	147.5 Ohm/Km
Outer conductor resistance	47.5 Ohm/Km
Test/Operatig Voltage(max)	3.5 KV/1.9 KV
Operating temperature range	-55 °C - +200 °C
Copper Weight	- Kg/Km
Cable weight (approx.)	56 Kg/Km
Screening effectiveness	<130 dB



FEP sheath  
 Silvered copper outer conductor  
 Silvered copper clad steel inner conductor  
 Solid PTFE dielectric



### Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	6.2	1.89
100	12.1	3.69
200	17.7	5.40
400	24.9	7.59
700	36.1	11.01
900	34.4	10.49
1000	38.7	11.80
1500	44.1	13.45
2000	52.0	15.85
3000	70.5	21.49