

MIL-C-17F Coaxial Cables

M17/127-RG393 (RG 393/U)

Construction

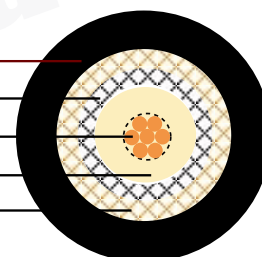
Inner conductor	Silver plated copper	7 x 0.79 mm
Dielectric	Solid PTFE	$\Phi 7.25 \pm 0.18$ mm
Outer conductor(shield 1)	Silver plated copper	144 x 0.16 mm
Shield coverage		95%
Outer conductor(shield 2)	Silver plated copper	144 x 0.16 mm
Shield coverage		95%
Sheath	FEP	$\Phi 9.90$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	94 pF/m
Velocity of propagation	70%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	4.99Ohm/Km
Outer conductor resistance	4.0 Ohm/Km
Test/Operatig Voltage(max)	5.0 KV/2.5 KV
Operating temperature range	-55 °C - +200 °C
Copper weight	- Kg/Km
Cable weight (approx.)	240 Kg/Km
Screening effectiveness	80dB



FEP sheath
 Silver copper shield 1
 Silver copper inner conductor
 Solid PTFE dielectric
 Silver copper shield 2



Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
100	6.6	2.01
200	9.7	2.96
400	14.3	4.36
900	22.1	6.74
1000	24.0	7.32
2000	34.4	10.49
3000	47.0	14.33
5000	65.0	19.82

Return loss

30-300 MHz	>30dB
300-600 MHz	>28dB
600-900 MHz	>23dB