

UT-085C-TP-M17
(M17/133-00009)

Semi-Rigid Coaxial Cable

**MECHANICAL
CHARACTERISTICS**

Outer Conductor Diameter , inch (mm)	0.0865+0.002 /-0.001 (2.197+0.0508 / -0.0254)
Dielectric Diameter , inch (mm)	0.066 (1.676)
Center Conductor Diameter , inch (mm)	0.0201+/-0.0005 (0.511+/-0.0127)
Maximum Length , feet (meters)	20 (6.1)
Minimum Inside Bend Radius , inch (mm)	0.05 (1.27)
Weight , pounds/100 ft. (kg/100 meters)	1.57 (2.35)

**ELECTRICAL
CHARACTERISTICS**

Impedance , ohms	50+/-1.5		
Frequency Range GHz	DC-20		
Velocity of Propagation %	70		
Capacitance , pF/ft. (pF/meter)	32 (105)		
Typical Insertion Loss , dB/ft. (dB/meter) and Average Power Handling, Watts CW at 20 degrees Celsius and Sea level	Frequency 0.5 GHz 1.0 GHz 5.0 GHz 10.0 GHz 20.0 GHz	Insertion Loss 0.15 (0.49) 0.22 (0.72) 0.50 (1.64) 0.80 (2.62) 1.30 (4.27)	Power 180 130 54 35 20
Corona Extinction Voltage , VRMS @ 60 Hz	1500		
Voltage Withstand , VRMS @ 60 Hz	5000		

**ENVIRONMENTAL
CHARACTERISTICS**

Outer Conductor Integrity Temperature , Deg Celsius	175
Maximum Operating Temperature , Deg Celsius	125

MATERIALS

Outer Conductor	Tin plated Copper
Dielectric	PTFE
Center Conductor	SPC

CUTAWAY