

206 Jones Blvd. Pottstown, PA 19464 USA  
 Phone: 610-495-0110 : 800-223-2629  
 www.micro-coax.com

**Tin-dipped Hand-formable  
 Microwave Cable**

**MECHANICAL CHARACTERISTICS**

Wire Diameter, inch (mm)	0.02 (0.508)
Effective Dielectric Diameter, inch (mm)	0.066 (1.676)
Outer Conductor Diameter, inch (mm)	0.0865 (2.20)
Jacket Diameter, inch (mm)	Not Applicable
Bend Radius, inch (mm)	0.125 (3.175)
Maximum Length, feet (meter)	1000 (305)
Weight, grams/ft. (meter)	3.8 (12.5)

**ELECTRICAL CHARACTERISTICS**

Impedance, ohms	50	
Frequency Range	DC-20	
Velocity of Propagation	70	
Capacitance, pF/ft. (pF/meter)	29 (95.1)	
Shielding Effectiveness, dB	>100	
Insertion Loss, dB/ft. (dB/meter)	<b>Frequency</b>	<b>Insertion Loss</b>
	0.5 GHz	0.16 (0.52)
	1.0 GHz	0.22 (0.72)
	10.0 GHz	0.8 (2.62)
	18.0 GHz	1.13 (3.71)
Power Handling	See Graph	

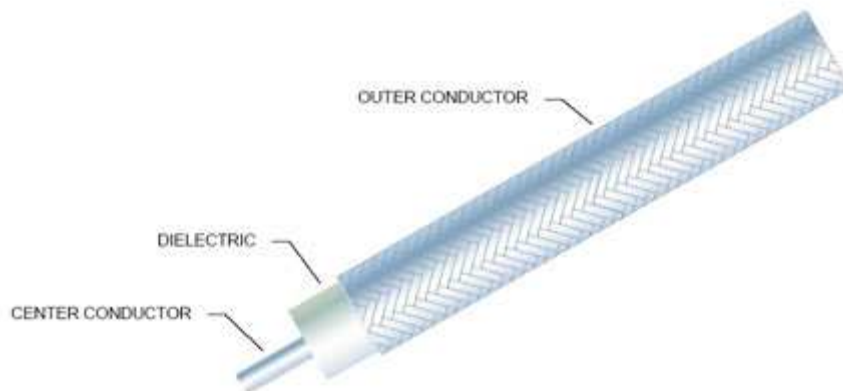
**ENVIRONMENTAL CHARACTERISTICS**

Maximum Temperature, Celsius	200
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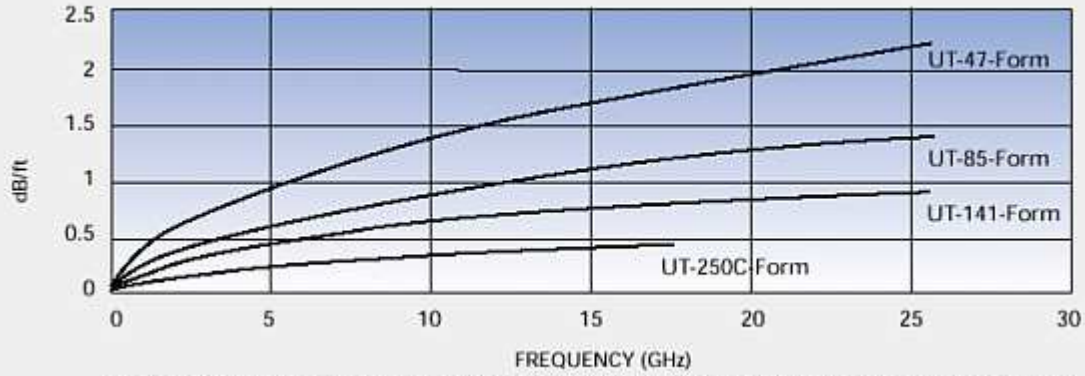
**MATERIALS**

Wire	SPCW
Dielectric	PTFE
Outer Conductor	Tin dipped braid
Jacket	Not Applicable

**CUTAWAY**

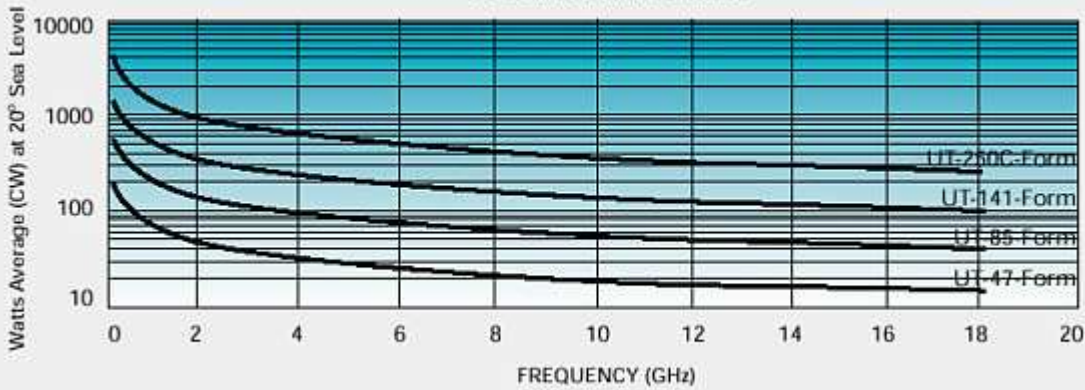


### MAXIMUM INSERTION LOSS



Note: "LL" versions of UT-85 and UT-141-Form exhibit up to 10% lower insertion loss depending upon frequency

### POWER HANDLING



Note: "LL" versions of UT-85-Form and UT-141-Form can handle approximately 10% more power