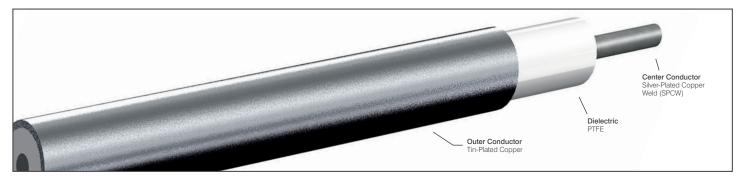
Semi-Rigid Coaxial Cables

P/N UT-141-HA-TP-M17 | 50 Ω Tin-Plated Copper Outer Conductor

INTRODUCTION



All of our 50 Ω copper semi-rigid cables feature low attenuation and VSWR covering the entire microwave spectrum. With numerous connector options available off-the-shelf, this family of cables is one of the most versatile available today. They meet the demands of package density and provide total shielding for elimination of signal loss and noise.

DIMENSIONS				
Outer Conductor Diameter	in	0.141 + 0.002 /-0.001		
	mm	3.581 + 0.051 /-0.025		
Center Conductor Diameter	in	0.0362		
	mm	0.9195		
Length (Maximum)	Feet	20		
	Meter	6.10		

MATERIALS	
Outer Conductor	Copper
Outer Conductor Plating	Tin
Dielectric	PTFE
Center Conductor	SPCW
RoHS Compliant	✓

MECHANICAL CHARACTERISTICS*				
Outer Conductor Integrity Temp.	°C	175		
Operating Temperature (Max)	°C	125		
Inside Bend Radius (Minimum)	in	0.250		
	mm	6.350		
Weight	lbs / 100ft	3.29		
	kg / 100m	4.94		

^{*} Applicable at room temperature. Contact factory for performance over temperature range.

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ELECTRICAL CHARACTERISTICS*				
Characteristic Impedance	ohm	50		
Capacitance	pF / ft	29.0		
	pF/m	95.2		
Corona Extinction Voltage	VRMS @ 60 Hz	1900		
Voltage Withstanding	VRMS @ 60 Hz	9600		
Higher Order Mode Frequency	GHz	34.0		
	@ 0.5 GHz	7.6		
	@ 1.0 GHz	11.3		
	@ 5.0 GHz	27.6		
	@ 10.0 GHz	41.6		
Attenuation	@ 18.0 GHz	59.6		
(Db / 100 Ft Typical)	@ 26.5 GHz	76.2		
	@ 40.0 GHz	N/A		
	@ 50.0 GHz	N/A		
	@ 65.0 GHz	N/A		
	@ 90.0 GHz	N/A		
	@ 0.5 GHz	483.5		
	@ 1.0 GHz	336.2		
	@ 5.0 GHz	140.4		
	@ 10.0 GHz	94.6		
Power (Watts Cw @ 20°C, Maximum)	@ 18.0 GHz	66.8		
	@ 26.5 GHz	52.7		
	@ 40.0 GHz	N/A		
	@ 50.0 GHz	N/A		
	@ 65.0 GHz	N/A		
	@ 90.0 GHz	N/A		

Learn More: Amphenol-CIT.com

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