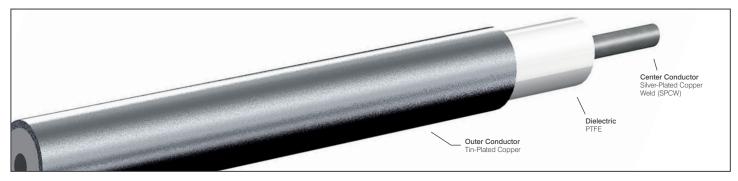
## **Semi-Rigid Coaxial Cables**

P/N UT-034-25-TP | 25 Ω Tin-Plated Copper Outer Conductor

## **INTRODUCTION**



With impedances from 5 to 100  $\Omega$  and diameters from 0.020 to 0.250", our odd-impedance semi-rigid cables are the right solution for any impedance-matching requirement.

DIMENSIONS		
Outer Conductor Diameter	in	0.034 + 0.002 /-0.001
	mm	0.863 + 0.051 /-0.025
Center Conductor Diameter	in	0.0126
Center Conductor Diameter	mm	0.3200
Longth (Mayimum)	Feet	15
Length (Maximum)	Meter	4.57

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	150		
Inside Bend Radius (Minimum)	in	0.050		
	mm	1.270		
Weight	lbs / 100ft	0.28		
	kg / 100m	0.42		

<sup>\*</sup> Applicable at room temperature. Contact factory for performance over temperature range.

<b>Amphenole</b>			
Cable & Interconnect Technologies			

ELECTRICAL CHARACTERISTICS*				
Characteristic Impedance	ohm	25		
Capacitance	pF / ft	58.0		
	pF/m	190.0		
Corona Extinction Voltage	VRMS @ 60 Hz	400		
Voltage Withstanding	VRMS @ 60 Hz	1200		
Higher Order Mode Frequency	GHz	148.0		
	@ 0.5 GHz	49.9		
	@ 1.0 GHz	70.7		
	@ 5.0 GHz	160.5		
	@ 10.0 GHz	229.4		
Attenuation	@ 18.0 GHz	311.6		
(Db / 100 Ft Typical)	@ 26.5 GHz	382		
	@ 40.0 GHz	475.5		
	@ 50.0 GHz	536		
	@ 65.0 GHz	617.7		
	@ 90.0 GHz	738.1		
	@ 0.5 GHz	25.4		
	@ 1.0 GHz	17.9		
Power (Watts Cw @ 20°C, Maximum)	@ 5.0 GHz	7.9		
	@ 10.0 GHz	5.6		
	@ 18.0 GHz	4.1		
	@ 26.5 GHz	3.4		
	@ 40.0 GHz	2.7		
	@ 50.0 GHz	2.4		
	@ 65.0 GHz	2.1		
	@ 90.0 GHz	1.8		

Learn More: Amphenol-CIT.com

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