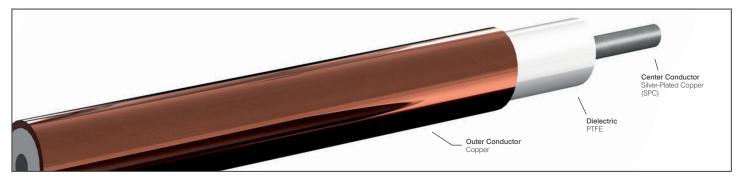
## **Semi-Rigid Coaxial Cables**

P/N UT-141C-75 | 75 Ω 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	0.141 ± 0.001		
	mm	3.581 ± 0.025		
Center Conductor Diameter	in	0.0201		
Center Conductor Diameter	mm	0.5105		
Length (Maximum) Feet Meter	Feet	20		
	Meter	6.10		

MATERIALS	
Outer Conductor	Copper
Outer Conductor Plating	None
Dielectric	PTFE
Center Conductor	SPC
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	3.10		
	kg / 100m	4.65		

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

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

ELECTRICAL CHARACTERISTICS*				
Characteristic Impedance	ohm	75		
Capacitance	pF / ft	19.3		
	pF/m	63.5		
Corona Extinction Voltage	VRMS @ 60 Hz	3800		
Voltage Withstanding	VRMS @ 60 Hz	11400		
Higher Order Mode Frequency	GHz	38.0		
	@ 0.5 GHz	8.4		
	@ 1.0 GHz	12.1		
	@ 5.0 GHz	29.4		
	@ 10.0 GHz	44.1		
Attenuation	@ 18.0 GHz	62.9		
(Db / 100 Ft Typical)	@ 26.5 GHz	80.2		
	@ 40.0 GHz	N/A		
	@ 50.0 GHz	N/A		
	@ 65.0 GHz	N/A		
	@ 90.0 GHz	N/A		
	@ 0.5 GHz	549.1		
	@ 1.0 GHz	382.3		
	@ 5.0 GHz	160.6		
	@ 10.0 GHz	108.6		
Power (Watts Cw @ 20 °C, Maximum)	@ 18.0 GHz	77.1		
	@ 26.5 GHz	61		
	@ 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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