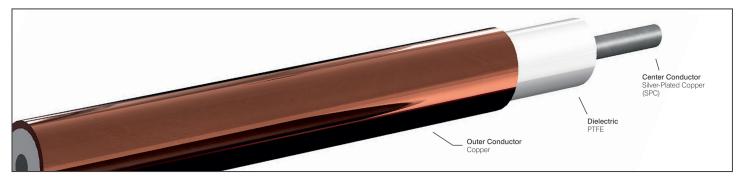
## **Semi-Rigid Coaxial Cables**

P/N UT-070C-10 | 10 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	0.070 ± 0.001		
Odder Conductor Diarneter	mm	1.778 ± 0.025		
Center Conductor Diameter	in	0.0403		
Center Conductor Diameter	mm	1.0236		
Length (Maximum)	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	150		
Operating Temperature (Max)	°C	125		
Inside Bend Radius (Minimum)	in	0.125		
	mm	3.175		
Weight	lbs / 100ft	1.35		
	kg / 100m	2.03		

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

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

ELECTRICAL CHARACTERISTICS*				
Characteristic Impedance	ohm	10		
Capacitance	pF / ft	145.1		
	pF/m	476.0		
Corona Extinction Voltage	VRMS @ 60 Hz	400		
Voltage Withstanding	VRMS @ 60 Hz	1200		
Higher Order Mode Frequency	GHz	58.0		
	@ 0.5 GHz	50.7		
	@ 1.0 GHz	72		
	@ 5.0 GHz	163.3		
	@ 10.0 GHz	233.4		
Attenuation	@ 18.0 GHz	316.9		
(Db / 100 Ft Typical)	@ 26.5 GHz	388.4		
	@ 40.0 GHz	483.4		
	@ 50.0 GHz	544.8		
	@ 65.0 GHz	N/A		
	@ 90.0 GHz	N/A		
Power (Watts Cw @ 20°C, Maximum)	@ 0.5 GHz	43.2		
	@ 1.0 GHz	30.5		
	@ 5.0 GHz	13.5		
	@ 10.0 GHz	9.5		
	@ 18.0 GHz	7		
	@ 26.5 GHz	5.7		
	@ 40.0 GHz	4.6		
	@ 50.0 GHz	4.1		
	@ 65.0 GHz	N/A		
	@ 90.0 GHz	N/A		

Learn More: Amphenol-CIT.com

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