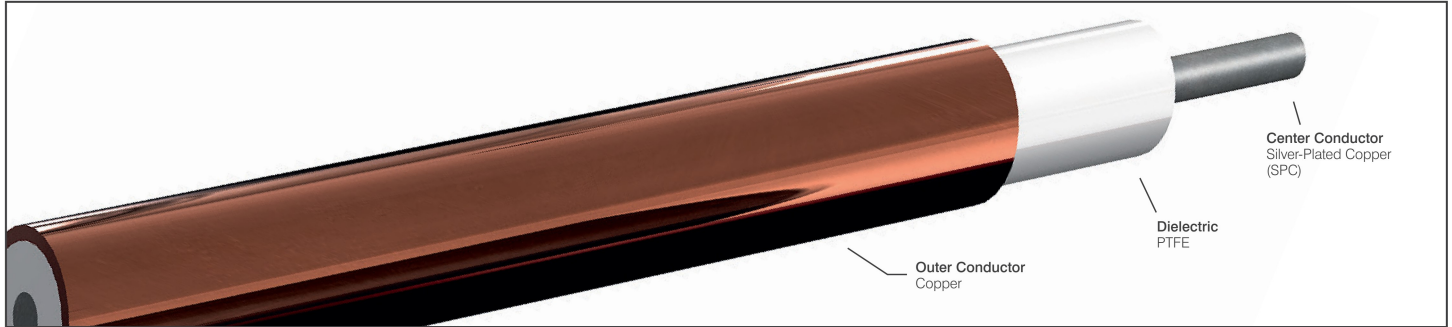


## Semi-Rigid Coaxial Cables

P/N UT-075C-10 | 10 Ω Copper Outer Conductor

### INTRODUCTION



With impedances from 5 to 100 Ω 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	0.075 ± 0.001
	mm	1.905 ± 0.025
Center Conductor Diameter	in	0.0453
	mm	1.1506
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	1.50
	kg / 100m	2.25

\* Applicable at room temperature. Contact factory for performance over temperature range.

### ELECTRICAL CHARACTERISTICS\*

Characteristic Impedance	ohm	10
Capacitance	pF / ft	145.1
	pF / m	476.0
Corona Extinction Voltage	VRMS @ 60 Hz	500
Voltage Withstanding	VRMS @ 60 Hz	1500
Higher Order Mode Frequency	GHz	51.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	42.2
	@ 1.0 GHz	59.9
	@ 5.0 GHz	136.2
	@ 10.0 GHz	195.1
	@ 18.0 GHz	265.6
	@ 26.5 GHz	326.1
	@ 40.0 GHz	406.8
	@ 50.0 GHz	459.2
Power (Watts Cw @ 20 °C, Maximum)	@ 65.0 GHz	N/A
	@ 90.0 GHz	N/A
	@ 0.5 GHz	55
	@ 1.0 GHz	38.8
	@ 5.0 GHz	17.1
	@ 10.0 GHz	12
	@ 18.0 GHz	8.8
	@ 26.5 GHz	7.2
@ 40.0 GHz	5.8	
@ 50.0 GHz	5.1	
@ 65.0 GHz	N/A	
@ 90.0 GHz	N/A	