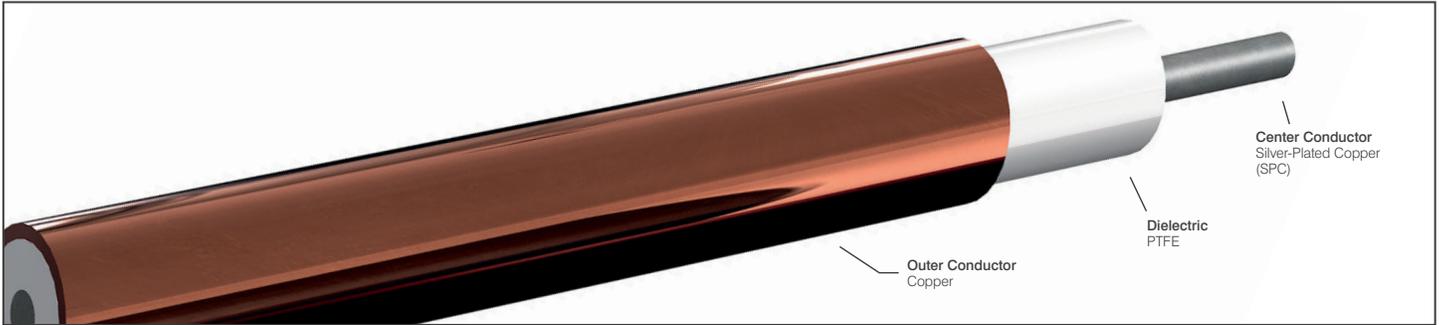


# Semi-Rigid Coaxial Cables

P/N UT-141C-75 | 75 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	0.141 ± 0.001
	mm	3.581 ± 0.025
Center Conductor Diameter	in	0.0201
	mm	0.5105
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	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

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

### 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
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	8.4
	@ 1.0 GHz	12.1
	@ 5.0 GHz	29.4
	@ 10.0 GHz	44.1
	@ 18.0 GHz	62.9
	@ 26.5 GHz	80.2
	@ 40.0 GHz	N/A
	@ 50.0 GHz	N/A
Power (Watts Cw @ 20 °C, Maximum)	@ 0.5 GHz	549.1
	@ 1.0 GHz	382.3
	@ 5.0 GHz	160.6
	@ 10.0 GHz	108.6
	@ 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