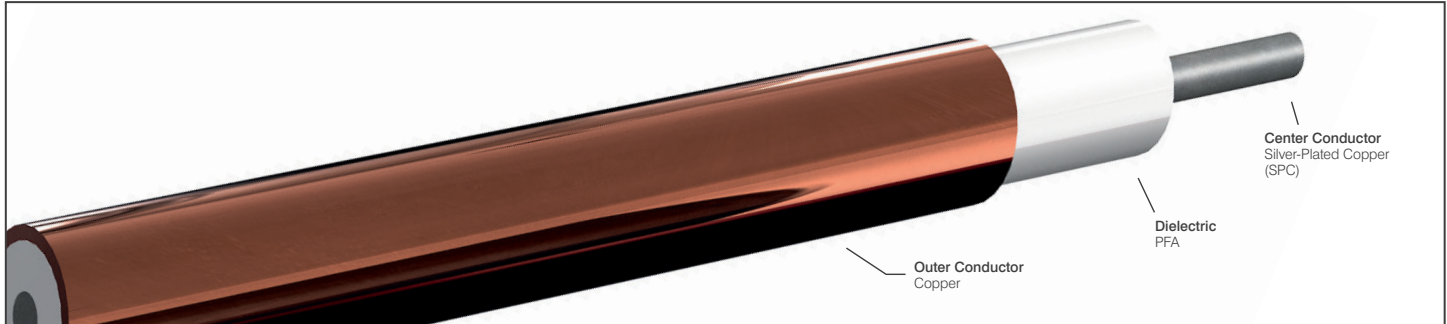


## Semi-Rigid Coaxial Cables

P/N UT-034C-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	0.034 ± 0.001
	mm	0.864 ± 0.025
Center Conductor Diameter	in	0.0201
	mm	0.5105
Length (Maximum)	Feet	15
	Meter	4.57

### MATERIALS

Outer Conductor	Copper
Outer Conductor Plating	None
Dielectric	PFA
Center Conductor	SPC
RoHS Compliant	✓

### MECHANICAL CHARACTERISTICS\*

Outer Conductor Integrity Temp.	°C	175
Operating Temperature (Max)	°C	150
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs / 100ft	0.32
	kg / 100m	0.48

\* 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	200
Voltage Withstanding	VRMS @ 60 Hz	600
Higher Order Mode Frequency	GHz	117.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	100.2
	@ 1.0 GHz	142
	@ 5.0 GHz	320.3
	@ 10.0 GHz	456
	@ 18.0 GHz	616.6
	@ 26.5 GHz	752.9
	@ 40.0 GHz	932.8
	@ 50.0 GHz	1048.4
Power (Watts Cw @ 20 °C, Maximum)	@ 65.0 GHz	1203.6
	@ 90.0 GHz	1430.4
	@ 0.5 GHz	15
	@ 1.0 GHz	10.6
	@ 5.0 GHz	4.7
	@ 10.0 GHz	3.3
	@ 18.0 GHz	2.4
	@ 26.5 GHz	2
	@ 40.0 GHz	1.6
	@ 50.0 GHz	1.4
@ 65.0 GHz	1.3	
@ 90.0 GHz	1.1	