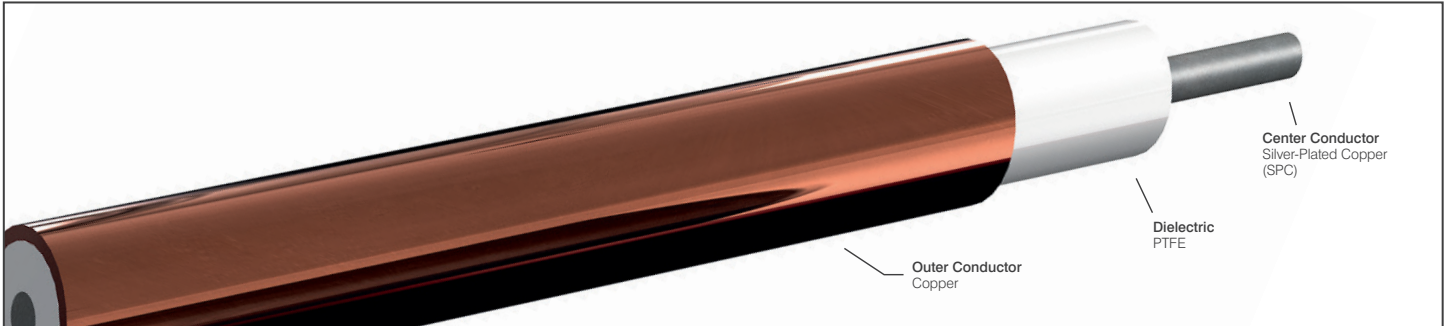


# Semi-Rigid Coaxial Cables

P/N UT-034C-17 | 17 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	0.0159
	mm	0.4039
Length (Maximum)	Feet	15
	Meter	4.57

### 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	150
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs / 100ft	0.28
	kg / 100m	0.42

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

### ELECTRICAL CHARACTERISTICS\*

Characteristic Impedance	ohm	17
Capacitance	pF / ft	85.3
	pF / m	280.0
Corona Extinction Voltage	VRMS @ 60 Hz	400
Voltage Withstanding	VRMS @ 60 Hz	1200
Higher Order Mode Frequency	GHz	129.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	55.5
	@ 1.0 GHz	78.7
	@ 5.0 GHz	178.3
	@ 10.0 GHz	254.6
	@ 18.0 GHz	345.4
	@ 26.5 GHz	422.9
	@ 40.0 GHz	525.8
	@ 50.0 GHz	592.2
Power (Watts Cw @ 20 °C, Maximum)	@ 65.0 GHz	681.9
	@ 90.0 GHz	813.6
	@ 0.5 GHz	27
	@ 1.0 GHz	19
	@ 5.0 GHz	8.4
	@ 10.0 GHz	5.9
	@ 18.0 GHz	4.4
	@ 26.5 GHz	3.6
@ 40.0 GHz	2.9	
@ 50.0 GHz	2.6	
@ 65.0 GHz	2.2	
@ 90.0 GHz	1.9	