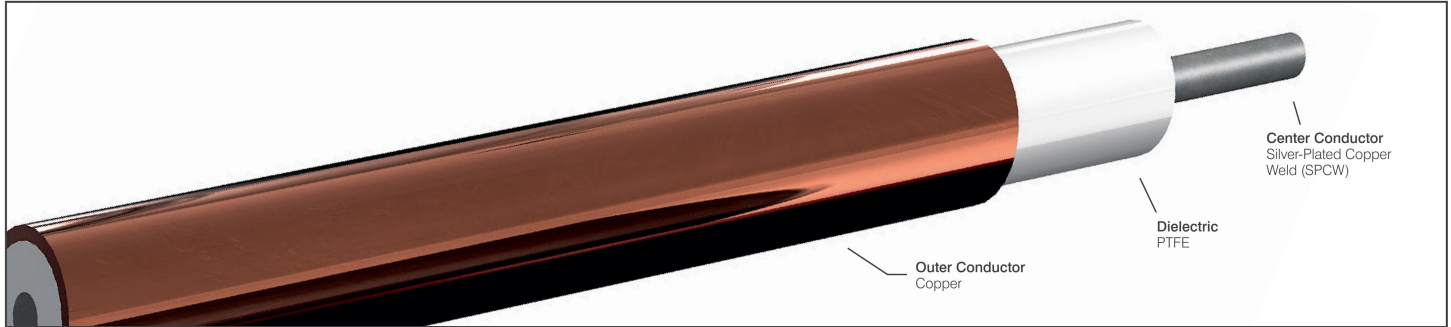


## Semi-Rigid Coaxial Cables

P/N UT-034-25 | 25 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	0.0126
	mm	0.3200
Length (Maximum)	Feet	15
	Meter	4.57

### MATERIALS

Outer Conductor	Copper
Outer Conductor Plating	None
Dielectric	PTFE
Center Conductor	SPCW
RoHS Compliant	✓

### MECHANICAL CHARACTERISTICS\*

Outer Conductor Integrity Temp.	°C	175
Operating Temperature (Max)	°C	150
Inside Bend Radius (Minimum)	in	0.050
	mm	1.270
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	25
Capacitance	pF / ft	58.0
	pF / m	190.0
Corona Extinction Voltage	VRMS @ 60 Hz	400
Voltage Withstanding	VRMS @ 60 Hz	1200
Higher Order Mode Frequency	GHz	148.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	49.9
	@ 1.0 GHz	70.7
	@ 5.0 GHz	160.5
	@ 10.0 GHz	229.4
	@ 18.0 GHz	311.6
	@ 26.5 GHz	382
	@ 40.0 GHz	475.5
	@ 50.0 GHz	536
	@ 90.0 GHz	738.1
Power (Watts Cw @ 20 °C, Maximum)	@ 0.5 GHz	30
	@ 1.0 GHz	21.2
	@ 5.0 GHz	9.4
	@ 10.0 GHz	6.6
	@ 18.0 GHz	4.8
	@ 26.5 GHz	4
	@ 40.0 GHz	3.2
	@ 50.0 GHz	2.8
	@ 90.0 GHz	2.1