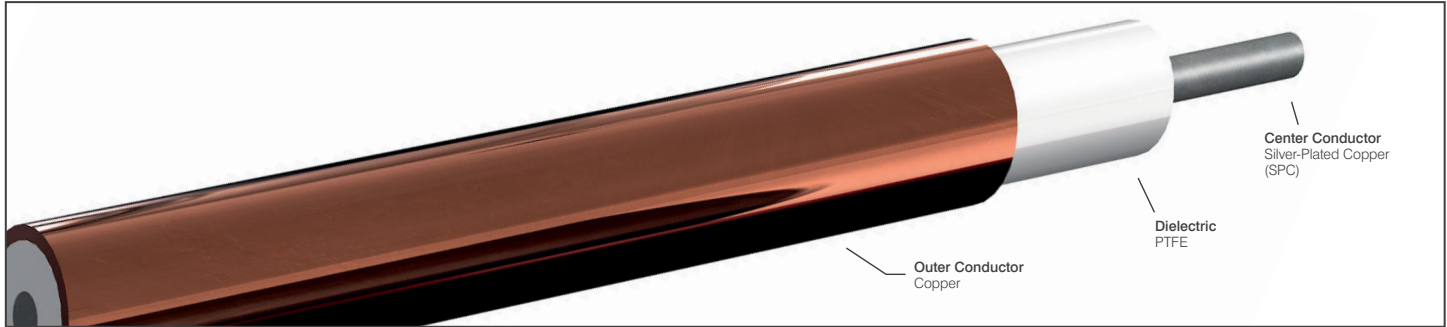


## Semi-Rigid Coaxial Cables

P/N UT-085C-15 | 15 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	0.087 ± 0.001
	mm	2.197 ± 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	0.250
	mm	6.350
Weight	lbs / 100ft	1.83
	kg / 100m	2.75

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

### ELECTRICAL CHARACTERISTICS\*

Characteristic Impedance	ohm	15
Capacitance	pF / ft	96.7
	pF / m	317.0
Corona Extinction Voltage	VRMS @ 60 Hz	800
Voltage Withstanding	VRMS @ 60 Hz	2400
Higher Order Mode Frequency	GHz	47.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	24.4
	@ 1.0 GHz	34.7
	@ 5.0 GHz	79.9
	@ 10.0 GHz	115.5
	@ 18.0 GHz	158.7
	@ 26.5 GHz	196.4
	@ 40.0 GHz	247.5
	@ 50.0 GHz	N/A
	@ 65.0 GHz	N/A
Power (Watts Cw @ 20 °C, Maximum)	@ 0.5 GHz	106.9
	@ 1.0 GHz	75.2
	@ 5.0 GHz	32.8
	@ 10.0 GHz	22.8
	@ 18.0 GHz	16.7
	@ 26.5 GHz	13.5
	@ 40.0 GHz	10.8
	@ 50.0 GHz	N/A
	@ 65.0 GHz	N/A
@ 90.0 GHz	N/A	