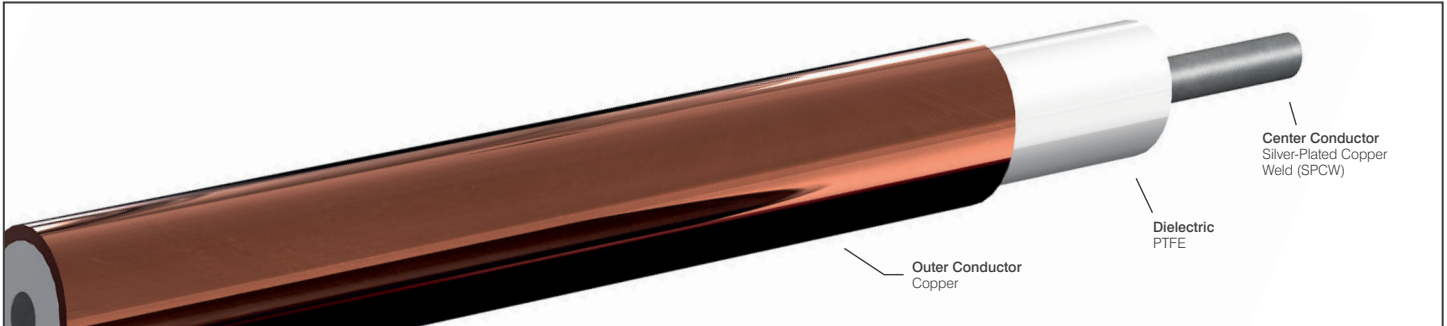


Semi-Rigid Coaxial Cables

P/N UT-130-93 | 93 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	0.130 ± 0.001
	mm	3.302 ± 0.025
Center Conductor Diameter	in	0.0113
	mm	0.2870
Length (Maximum)	Feet	20
	Meter	6.10

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	125
Inside Bend Radius (Minimum)	in	0.188
	mm	4.775
Weight	lbs / 100ft	2.86
	kg / 100m	4.29

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

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	93
Capacitance	pF / ft	15.6
	pF / m	51.2
Corona Extinction Voltage	VRMS @ 60 Hz	3600
Voltage Withstanding	VRMS @ 60 Hz	10800
Higher Order Mode Frequency	GHz	46.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	11.2
	@ 1.0 GHz	16.1
	@ 5.0 GHz	38.2
	@ 10.0 GHz	56.4
	@ 18.0 GHz	79.5
	@ 26.5 GHz	100.4
	@ 40.0 GHz	129.5
	@ 50.0 GHz	N/A
	@ 90.0 GHz	N/A
Power (Watts Cw @ 20 °C, Maximum)	@ 0.5 GHz	380.6
	@ 1.0 GHz	266.1
	@ 5.0 GHz	113.5
	@ 10.0 GHz	77.6
	@ 18.0 GHz	55.7
	@ 26.5 GHz	44.5
	@ 40.0 GHz	34.9
	@ 50.0 GHz	N/A
	@ 90.0 GHz	N/A