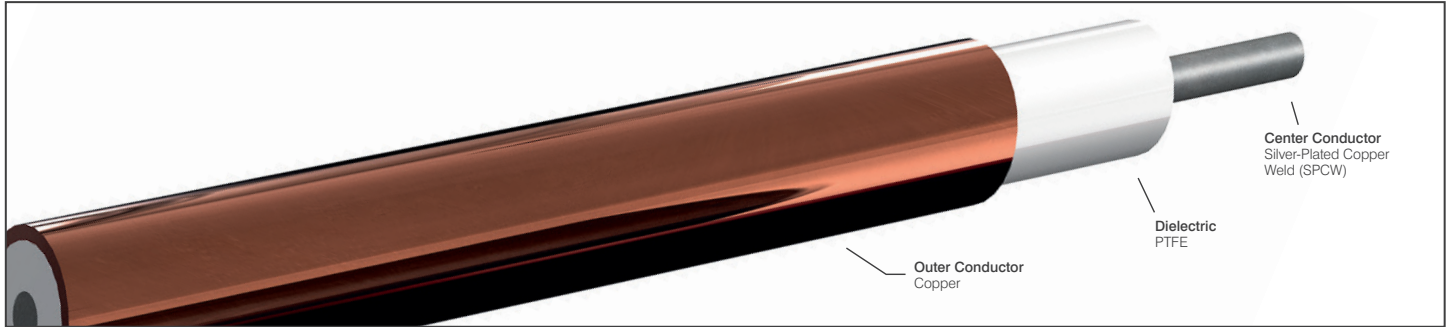


Semi-Rigid Coaxial Cables

P/N UT-020-13 | 13 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	0.023 ± 0.001
	mm	0.584 ± 0.025
Center Conductor Diameter	in	0.0126
	mm	0.3200
Length (Maximum)	Feet	10
	Meter	3.05

MATERIALS

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

MECHANICAL CHARACTERISTICS*

Outer Conductor Integrity Temp.	°C	125
Operating Temperature (Max)	°C	100
Inside Bend Radius (Minimum)	in	0.050
	mm	1.270
Weight	lbs / 100ft	0.13
	kg / 100m	0.20

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

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	13
Capacitance	pF / ft	111.6
	pF / m	366.0
Corona Extinction Voltage	VRMS @ 60 Hz	200
Voltage Withstanding	VRMS @ 60 Hz	250
Higher Order Mode Frequency	GHz	178.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	112.2
	@ 1.0 GHz	158.9
	@ 5.0 GHz	357.5
	@ 10.0 GHz	508
	@ 18.0 GHz	685.4
	@ 26.5 GHz	835.5
	@ 40.0 GHz	1032.7
	@ 50.0 GHz	1159
Power (Watts Cw @ 20 °C, Maximum)	@ 65.0 GHz	1328.1
	@ 90.0 GHz	1574
	@ 0.5 GHz	6.2
	@ 1.0 GHz	4.4
	@ 5.0 GHz	2
	@ 10.0 GHz	1.4
	@ 18.0 GHz	1
	@ 26.5 GHz	0.8
	@ 40.0 GHz	0.7
	@ 50.0 GHz	0.6
@ 65.0 GHz	0.5	
@ 90.0 GHz	0.4	