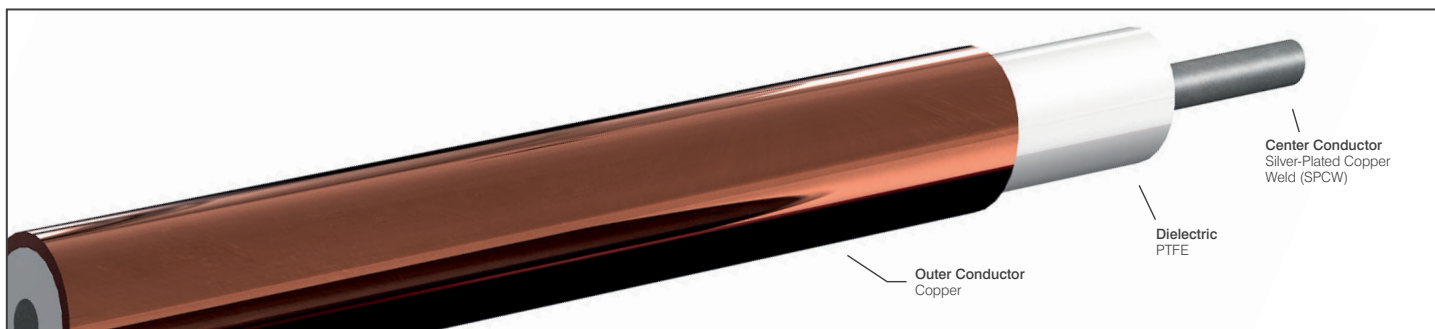


Semi-Rigid Coaxial Cables

P/N UT-034-95 | 95 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	0.0028
	mm	0.0711
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	150
Operating Temperature (Max)	°C	125
Inside Bend Radius (Minimum)	in	0.050
	mm	1.270
Weight	lbs / 100ft	0.19
	kg / 100m	0.29

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

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	95
Capacitance	pF / ft	15.3
	pF / m	50.1
Corona Extinction Voltage	VRMS @ 60 Hz	900
Voltage Withstanding	VRMS @ 60 Hz	2700
Higher Order Mode Frequency	GHz	177.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	42.5
	@ 1.0 GHz	60.4
	@ 5.0 GHz	137.4
	@ 10.0 GHz	196.7
	@ 18.0 GHz	267.7
	@ 26.5 GHz	328.7
	@ 40.0 GHz	410.1
	@ 50.0 GHz	462.8
	@ 65.0 GHz	534.4
Power (Watts Cw @ 20 °C, Maximum)	@ 0.5 GHz	28.2
	@ 1.0 GHz	19.9
	@ 5.0 GHz	8.8
	@ 10.0 GHz	6.1
	@ 18.0 GHz	4.5
	@ 26.5 GHz	3.7
	@ 40.0 GHz	3
	@ 50.0 GHz	2.6
	@ 65.0 GHz	2.3
@ 90.0 GHz	1.9	