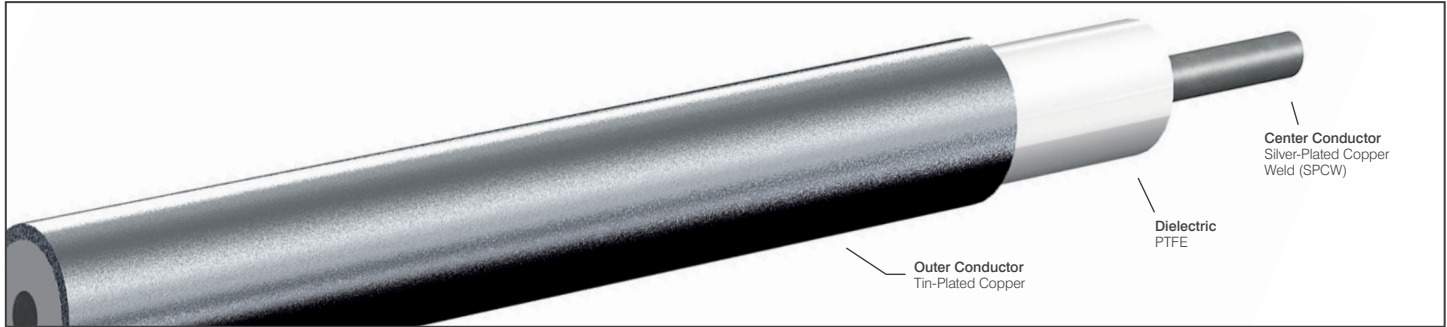


Semi-Rigid Coaxial Cables

P/N UT-085-75-TP | 75 Ω Tin-Plated 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	0.085 + 0.002 /-0.001
	mm	2.159 + 0.051 /-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	Tin
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	0.125
	mm	3.175
Weight	lbs / 100ft	1.25
	kg / 100m	1.88

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

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	75
Capacitance	pF / ft	19.3
	pF / m	63.5
Corona Extinction Voltage	VRMS @ 60 Hz	2200
Voltage Withstanding	VRMS @ 60 Hz	6600
Higher Order Mode Frequency	GHz	67.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	14.5
	@ 1.0 GHz	20.7
	@ 5.0 GHz	48.7
	@ 10.0 GHz	71.3
	@ 18.0 GHz	99.4
	@ 26.5 GHz	124.5
	@ 40.0 GHz	159.1
	@ 50.0 GHz	182.3
Power (Watts Cw @ 20 °C, Maximum)	@ 65.0 GHz	214.5
	@ 90.0 GHz	N/A
	@ 0.5 GHz	144
	@ 1.0 GHz	100.8
	@ 5.0 GHz	43.4
	@ 10.0 GHz	29.8
	@ 18.0 GHz	21.5
	@ 26.5 GHz	17.3
	@ 40.0 GHz	13.6
	@ 50.0 GHz	11.9
@ 65.0 GHz	10.2	
@ 90.0 GHz	N/A	