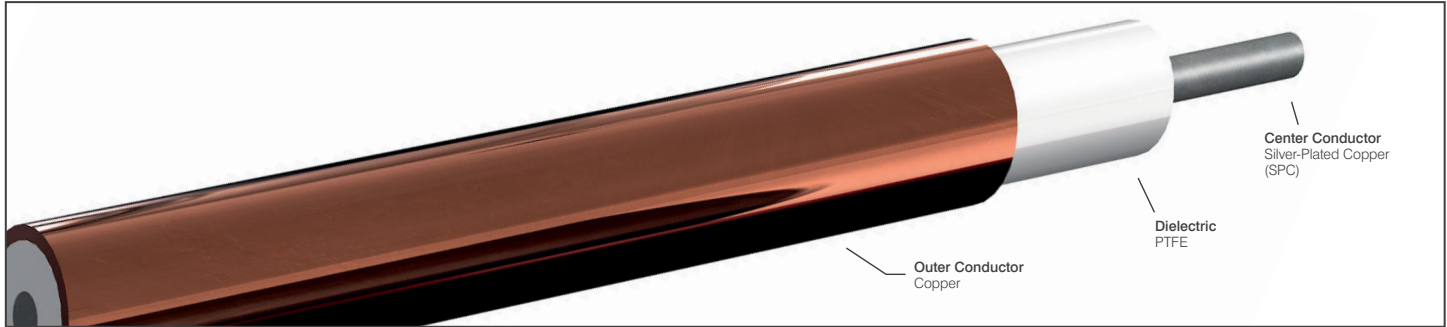


Semi-Rigid Coaxial Cables

P/N UT-090C-35 | 35 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	0.090 ± 0.001
	mm	2.286 ± 0.025
Center Conductor Diameter	in	0.0320
	mm	0.8128
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	0.125
	mm	3.175
Weight	lbs / 100ft	1.51
	kg / 100m	2.27

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

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	35
Capacitance	pF / ft	41.5
	pF / m	136.0
Corona Extinction Voltage	VRMS @ 60 Hz	1600
Voltage Withstanding	VRMS @ 60 Hz	4800
Higher Order Mode Frequency	GHz	50.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	13.3
	@ 1.0 GHz	19.1
	@ 5.0 GHz	45.1
	@ 10.0 GHz	66.2
	@ 18.0 GHz	92.6
	@ 26.5 GHz	116.2
	@ 40.0 GHz	148.9
	@ 50.0 GHz	170.9
Power (Watts Cw @ 20 °C, Maximum)	@ 65.0 GHz	N/A
	@ 90.0 GHz	N/A
	@ 0.5 GHz	200.7
	@ 1.0 GHz	140.4
	@ 5.0 GHz	60.2
	@ 10.0 GHz	41.3
	@ 18.0 GHz	29.7
	@ 26.5 GHz	23.8
	@ 40.0 GHz	18.7
	@ 50.0 GHz	16.4
@ 65.0 GHz	N/A	
@ 90.0 GHz	N/A	