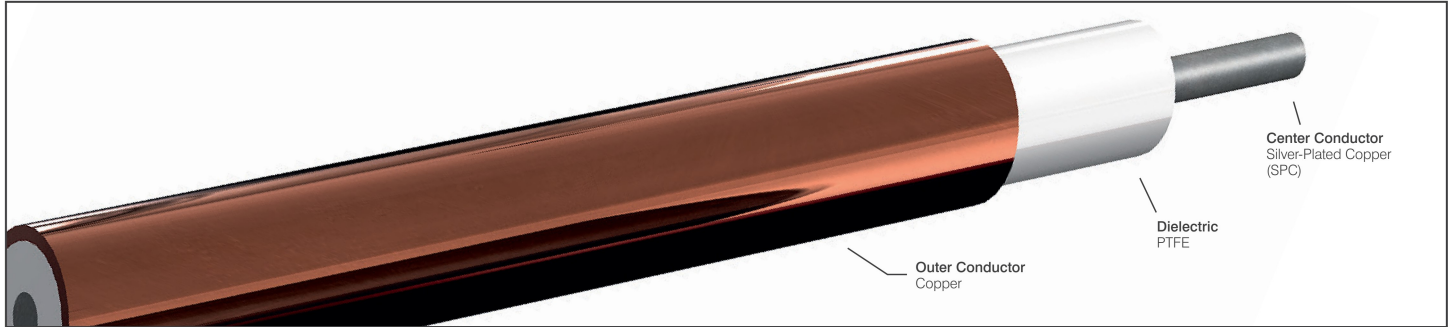


Semi-Rigid Coaxial Cables

P/N UT-070C-25 | 25 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	0.070 ± 0.001
	mm	1.778 ± 0.025
Center Conductor Diameter	in	0.0314
	mm	0.7976
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	1.04
	kg / 100m	1.56

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

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	25
Capacitance	pF / ft	58.0
	pF / m	190.0
Corona Extinction Voltage	VRMS @ 60 Hz	1000
Voltage Withstanding	VRMS @ 60 Hz	3000
Higher Order Mode Frequency	GHz	60.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	21.2
	@ 1.0 GHz	30.3
	@ 5.0 GHz	70
	@ 10.0 GHz	101.4
	@ 18.0 GHz	139.8
	@ 26.5 GHz	173.5
	@ 40.0 GHz	219.4
	@ 50.0 GHz	249.7
Power (Watts Cw @ 20 °C, Maximum)	@ 65.0 GHz	N/A
	@ 90.0 GHz	N/A
	@ 0.5 GHz	103.2
	@ 1.0 GHz	72.5
	@ 5.0 GHz	31.5
	@ 10.0 GHz	21.9
	@ 18.0 GHz	15.9
	@ 26.5 GHz	12.9
	@ 40.0 GHz	10.2
	@ 50.0 GHz	9
@ 65.0 GHz	N/A	
@ 90.0 GHz	N/A	