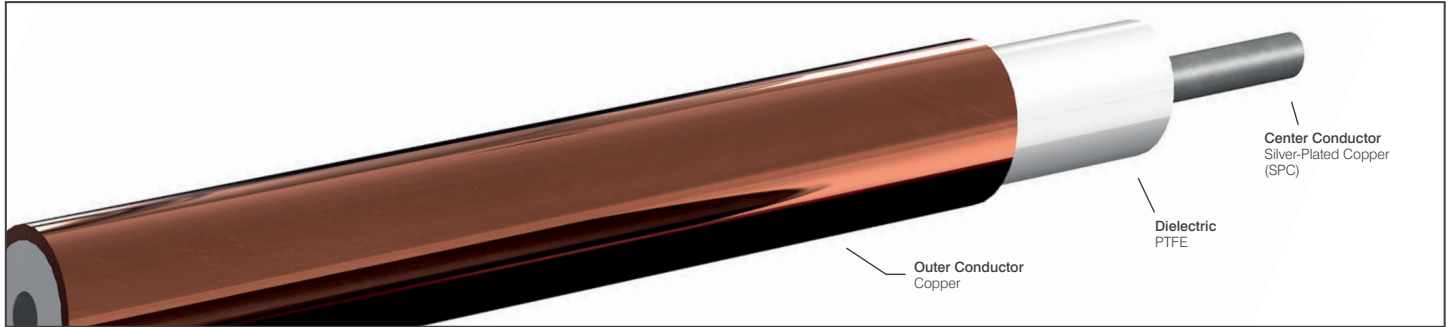


Semi-Rigid Coaxial Cables

P/N UT-141C-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	0.141 ± 0.001
	mm	3.581 ± 0.025
Center Conductor Diameter	in	0.0640
	mm	1.6256
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	175
Operating Temperature (Max)	°C	125
Inside Bend Radius (Minimum)	in	0.188
	mm	4.775
Weight	lbs / 100ft	4.02
	kg / 100m	6.04

* 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	2100
Voltage Withstanding	VRMS @ 60 Hz	6300
Higher Order Mode Frequency	GHz	29.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	10.1
	@ 1.0 GHz	14.6
	@ 5.0 GHz	34.8
	@ 10.0 GHz	51.7
	@ 18.0 GHz	73.2
	@ 26.5 GHz	92.7
	@ 40.0 GHz	N/A
	@ 50.0 GHz	N/A
Power (Watts Cw @ 20 °C, Maximum)	@ 0.5 GHz	472.5
	@ 1.0 GHz	329.7
	@ 5.0 GHz	139.7
	@ 10.0 GHz	95
	@ 18.0 GHz	67.8
	@ 26.5 GHz	54
	@ 40.0 GHz	N/A
	@ 50.0 GHz	N/A
	@ 65.0 GHz	N/A
	@ 90.0 GHz	N/A