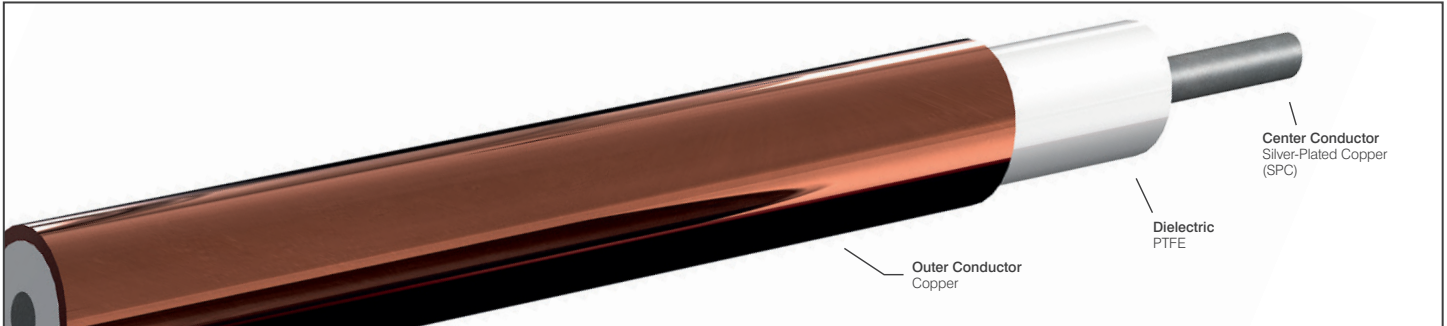


Semi-Rigid Coaxial Cables

P/N UT-141C-15 | 15 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	0.0800
	mm	2.0320
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	150
Inside Bend Radius (Minimum)	in	0.188
	mm	4.775
Weight	lbs / 100ft	4.74
	kg / 100m	7.12

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

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	15
Capacitance	pF / ft	96.7
	pF / m	317.0
Corona Extinction Voltage	VRMS @ 60 Hz	1300
Voltage Withstanding	VRMS @ 60 Hz	3900
Higher Order Mode Frequency	GHz	27.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	15
	@ 1.0 GHz	21.4
	@ 5.0 GHz	50.2
	@ 10.0 GHz	73.4
	@ 18.0 GHz	102.2
	@ 26.5 GHz	127.9
	@ 40.0 GHz	N/A
	@ 50.0 GHz	N/A
	@ 90.0 GHz	N/A
Power (Watts Cw @ 20 °C, Maximum)	@ 0.5 GHz	320.6
	@ 1.0 GHz	224.7
	@ 5.0 GHz	96.8
	@ 10.0 GHz	66.6
	@ 18.0 GHz	48.2
	@ 26.5 GHz	38.7
	@ 40.0 GHz	N/A
	@ 50.0 GHz	N/A
	@ 90.0 GHz	N/A