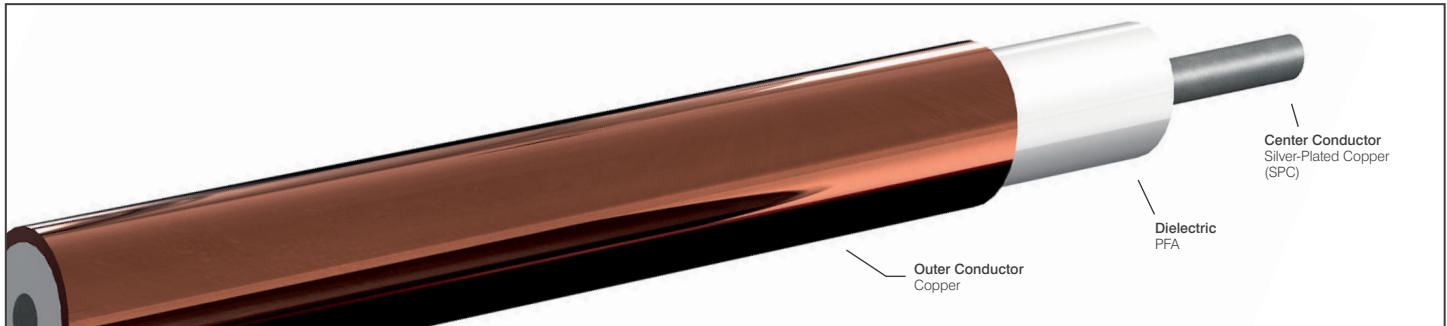


Semi-Rigid Coaxial Cables

P/N UT-043C-10 | 10 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	0.043 ± 0.001
	mm	1.092 ± 0.025
Center Conductor Diameter	in	0.0285
	mm	0.7239
Length (Maximum)	Feet	15
	Meter	4.57

MATERIALS

Outer Conductor	Copper
Outer Conductor Plating	None
Dielectric	PFA
Center Conductor	SPC
RoHS Compliant	✓

MECHANICAL CHARACTERISTICS*

Outer Conductor Integrity Temp.	°C	175
Operating Temperature (Max)	°C	150
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs / 100ft	0.47
	kg / 100m	0.71

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

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	10
Capacitance	pF / ft	145.1
	pF / m	476.0
Corona Extinction Voltage	VRMS @ 60 Hz	300
Voltage Withstanding	VRMS @ 60 Hz	900
Higher Order Mode Frequency	GHz	82.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	65.7
	@ 1.0 GHz	93.2
	@ 5.0 GHz	211.3
	@ 10.0 GHz	301.9
	@ 18.0 GHz	409.8
	@ 26.5 GHz	502
	@ 40.0 GHz	624.5
	@ 50.0 GHz	703.7
Power (Watts Cw @ 20 °C, Maximum)	@ 65.0 GHz	810.7
	@ 90.0 GHz	N/A
	@ 0.5 GHz	27.6
	@ 1.0 GHz	19.5
	@ 5.0 GHz	8.6
	@ 10.0 GHz	6
	@ 18.0 GHz	4.5
	@ 26.5 GHz	3.6
@ 40.0 GHz	2.9	
@ 50.0 GHz	2.6	
@ 65.0 GHz	2.3	
@ 90.0 GHz	N/A	