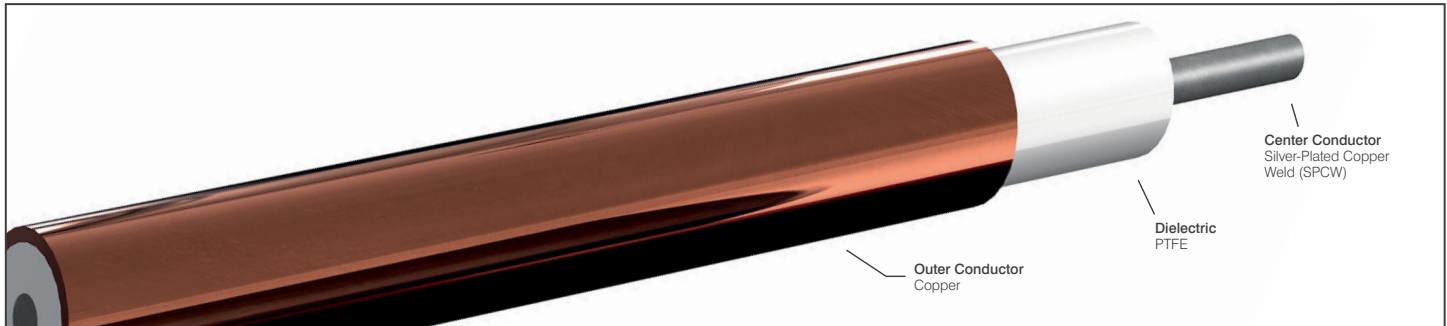


Semi-Rigid Coaxial Cables

P/N UT-062-18 | 18 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	0.062 ± 0.001
	mm	1.575 ± 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	SPCW
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	0.87
	kg / 100m	1.31

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

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	18
Capacitance	pF / ft	80.6
	pF / m	264.0
Corona Extinction Voltage	VRMS @ 60 Hz	700
Voltage Withstanding	VRMS @ 60 Hz	2100
Higher Order Mode Frequency	GHz	65.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	29.8
	@ 1.0 GHz	42.4
	@ 5.0 GHz	97
	@ 10.0 GHz	139.6
	@ 18.0 GHz	191.1
	@ 26.5 GHz	235.8
	@ 40.0 GHz	295.9
	@ 50.0 GHz	335.2
Power (Watts Cw @ 20 °C, Maximum)	@ 65.0 GHz	388.9
	@ 90.0 GHz	N/A
	@ 0.5 GHz	66.7
	@ 1.0 GHz	46.9
	@ 5.0 GHz	20.6
	@ 10.0 GHz	14.3
	@ 18.0 GHz	10.5
	@ 26.5 GHz	8.6
	@ 40.0 GHz	6.8
	@ 50.0 GHz	6.1
@ 65.0 GHz	5.2	
@ 90.0 GHz	N/A	