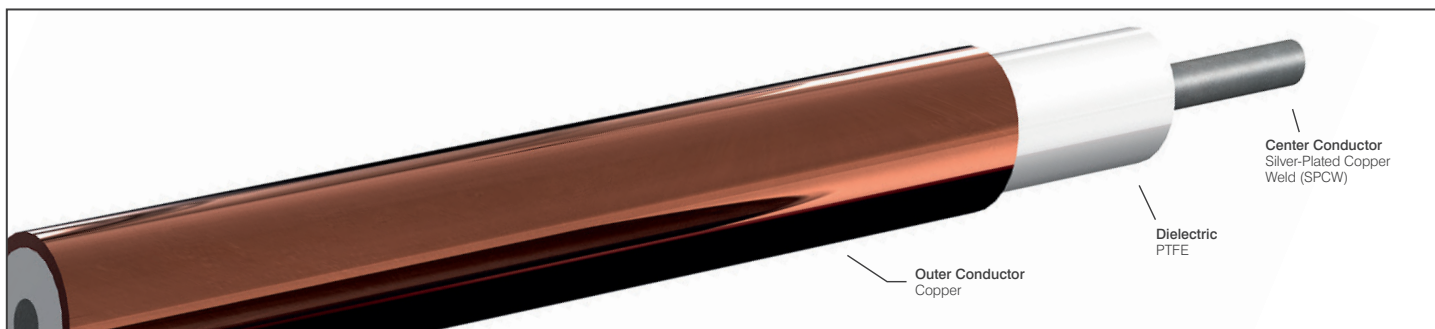


Semi-Rigid Coaxial Cables

P/N UT-250-75 | 75 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	0.250 ± 0.001
	mm	6.350 ± 0.025
Center Conductor Diameter	in	0.0359
	mm	0.9119
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	100
Inside Bend Radius (Minimum)	in	0.500
	mm	12.700
Weight	lbs / 100ft	9.15
	kg / 100m	13.74

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

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	75
Capacitance	pF / ft	19.3
	pF / m	63.5
Corona Extinction Voltage	VRMS @ 60 Hz	6900
Voltage Withstanding	VRMS @ 60 Hz	20700
Higher Order Mode Frequency	GHz	21.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	4.8
	@ 1.0 GHz	7.1
	@ 5.0 GHz	18.1
	@ 10.0 GHz	28.1
	@ 18.0 GHz	41.4
	@ 26.5 GHz	N/A
	@ 40.0 GHz	N/A
	@ 50.0 GHz	N/A
	@ 90.0 GHz	N/A
Power (Watts Cw @ 20 °C, Maximum)	@ 0.5 GHz	1234
	@ 1.0 GHz	849.1
	@ 5.0 GHz	341
	@ 10.0 GHz	224
	@ 18.0 GHz	154.2
	@ 26.5 GHz	N/A
	@ 40.0 GHz	N/A
	@ 50.0 GHz	N/A
	@ 90.0 GHz	N/A