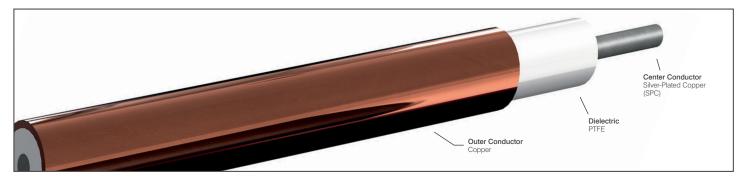
Semi-Rigid Coaxial Cables

P/N UT-141C-35 | 35 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	0.0508		
	mm	1.2903		
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	0.250		
	mm	6.350		
Weight	lbs / 100ft	3.66		
	kg / 100m	5.49		

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



ELECTRICAL CHARACTERISTICS*				
Characteristic Impedance	ohm	35		
Capacitance	pF/ft	41.5		
	pF/m	136.0		
Corona Extinction Voltage	VRMS @ 60 Hz	2600		
Voltage Withstanding	VRMS @ 60 Hz	7800		
Higher Order Mode Frequency	GHz	31.0		
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	8.6		
	@ 1.0 GHz	12.4		
	@ 5.0 GHz	30.1		
	@ 10.0 GHz	45		
	@ 18.0 GHz	64.1		
	@ 26.5 GHz	81.7		
	@ 40.0 GHz	N/A		
	@ 50.0 GHz	N/A		
	@ 65.0 GHz	N/A		
	@ 90.0 GHz	N/A		
	@ 0.5 GHz	552.5		
	@ 1.0 GHz	384.6		
Power (Watts Cw @ 20°C, Maximum)	@ 5.0 GHz	161.5		
	@ 10.0 GHz	109.2		
	@ 18.0 GHz	77.5		
	@ 26.5 GHz	61.3		
	@ 40.0 GHz	N/A		
	@ 50.0 GHz	N/A		
	@ 65.0 GHz	N/A		
	@ 90.0 GHz	N/A		

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