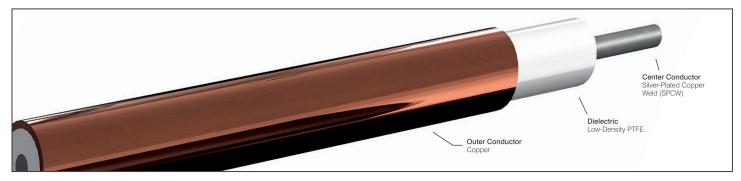
Low-Loss Semi-Rigid Coaxial Cables P/N UT-070-LL \mid 50 Ω Copper Outer Conductor

INTRODUCTION



Low-loss semi-rigid cables provide lower attenuation, better phase stability with temperature, and a higher operating temperature compared to traditional solid PTFE semi-rigid cables.

Our low-loss semi-rigid cables are available with a copper, tin-plated copper, aluminum, or tin-plated aluminum outer conductor.

DIMENSIONS				
Outer Conductor Diameter	in	0.070 ± 0.001		
	mm	1.778 ± 0.025		
Center Conductor Diameter	in	0.0201		
	mm	0.5105		
Length (Maximum)	Feet	20		
	Meter	6.10		

MATERIALS	
Outer Conductor	Copper
Outer Conductor Plating	None
Dielectric	LD PTFE
Center Conductor	SPCW
RoHS Compliant	✓

MECHANICAL CHARACTERISTICS*				
Outer Conductor Integrity Temp.	°C	250		
Operating Temperature (Max)	°C	250		
Inside Bend Radius (Minimum)	in	0.250		
	mm	6.350		
Weight	lbs / 100ft	0.75		
	kg / 100m	1.13		

nce over temperature range.

* Applicabl	le at room tempe	rature. Contact	factory for performan
Ar	nph	end	CIT
Cable	& Interco	nnect Te	chnologies

ELECTRICAL CHARACTERISTICS*				
Characteristic Impedance	ohm	50		
0 "	pF / ft	26.5		
Capacitance	pF/m	86.8		
Corona Extinction Voltage	VRMS @ 60 Hz	1400		
Voltage Withstanding	VRMS @ 60 Hz	4200		
Higher Order Mode Frequency	GHz	73.0		
	@ 0.5 GHz	13.8		
	@ 1.0 GHz	19.6		
	@ 5.0 GHz	44.5		
	@ 10.0 GHz	63.6		
Attenuation	@ 18.0 GHz	86.4		
(Db / 100 Ft Typical)	@ 26.5 GHz	106		
	@ 40.0 GHz	132		
	@ 50.0 GHz	148.9		
	@ 65.0 GHz	171.7		
	@ 90.0 GHz	N/A		
	@ 0.5 GHz	265.5		
	@ 1.0 GHz	187.2		
	@ 5.0 GHz	82.8		
	@ 10.0 GHz	58.1		
Power (Watts Cw @ 20°C, Maximum)	@ 18.0 GHz	42.9		
	@ 26.5 GHz	35.1		
	@ 40.0 GHz	28.2		
	@ 50.0 GHz	25.1		
	@ 65.0 GHz	21.8		
	@ 90.0 GHz	N/A		

Learn More: Amphenol-CIT.com

+1 (800) 458-9960