

## UTIFORM HAND-FORMABLE CABLES

### DIMENSIONS

	UT-141-Form	UT-141-Form-F	UT-141C-Form
<b>Jacket Diameter</b>			
[in]	—	0.161	—
[mm]	—	4.089	—
<b>Outer Conductor Diameter</b>			
[in]	0.141	0.141	0.141
[mm]	3.581	3.581	3.581
<b>Dielectric Diameter</b>			
[in]	0.114	0.114	0.114
[mm]	2.896	2.896	2.896
<b>Wire Diameter</b>			
[in]	0.035	0.035	0.035
[mm]	0.889	0.889	0.889

### MATERIALS

<b>Wire</b>	SPCW	SPCW	SPC
<b>Dielectric</b>	Solid PTFE	PTFE	Solid PTFE
<b>Outer Conductor</b>	Tin-Dipped Braid	Tin-Dipped Braid	Tin-Dipped Braid
<b>Jacket</b>	—	FEP	—
<b>RoHS Compliant</b>	YES	YES	YES

### MECHANICAL CHARACTERISTICS

<b>Maximum Temperature [°C]</b>	200	200	200
<b>Bend Radius</b>			
[in]	0.38	0.38	0.38
[mm]	9.53	9.53	9.53
<b>Weight</b>			
[grams/ft]	12.7	15.4	12.7
[grams/m]	41.7	50.5	41.7

### ELECTRICAL CHARACTERISTICS

<b>Characteristic Impedance [ohms]</b>	50	50	50			
<b>Capacitance [Nominal]</b>						
[pF/ft]	29.0	29.0	29.0			
[pF/m]	95.1	95.1	95.1			
<b>Velocity of Propagation [%]</b>	70%	70%	70%			
<b>Maximum Voltage, VRMS</b>	1900	1900	1900			
<b>Signal Delay</b>						
[ns/ft]	1.45	1.45	1.45			
[ns/m]	4.76	4.76	4.76			
<b>Frequency Range</b>	DC-20	DC-20	DC-20			
<b>Typical Attenuation [dB/100ft] /Average Power [Watts CW] @ 20°C Sea Level</b>	<u>ATTEN</u>	<u>POWER</u>	<u>ATTEN</u>	<u>POWER</u>	<u>ATTEN</u>	<u>POWER</u>
0.5 GHz	9	546	9	546	9	546
1.0 GHz	12	381	12	381	12	381
10.0 GHz	48	109	48	109	48	109
18.0 GHz	71	78	71	78	71	78