



## 50 Ohm Semi-rigid Coaxial Cable

Part Number	.023CU-W-P-50		.034CU-W-P-50		.034AG-W-P-50		.034TIN-W-P-50	
<b>DIMENSIONS</b>								
Center Conductor Diameter								
(inch)	0.005±0.0005		0.008±0.0005		0.008±0.0005		0.008±0.0005	
(mm)	0.13 ± 0.0127		0.20 ± 0.0127		0.20 ± 0.0127		0.20 ± 0.0127	
Dielectric Diameter								
(inch)	0.0165±.001		0.026±.001		0.026±.001		0.026±.001	
(mm)	0.42 ±0.0254		0.66 ±0.0254		0.66 ±0.0254		0.66 ±0.0254	
Outer Conductor Diameter								
(inch)	0.023±0.001		0.034±0.001		0.034+0.002/-0.001		0.034+0.002/-0.001	
(mm)	0.58 ±0.0254		0.86 ±0.0254		0.86 +0.0508/-0.0254		0.86 +0.0508/-0.0254	
<b>MATERIAL SPECIFICATIONS</b>								
Outer Conductor	Bare Copper		Bare Copper		Silver Plated Copper		Tin Plated Copper	
Dielectric	PTFE		PTFE		PTFE		PTFE	
Center Conductor	SPCW		SPCW		SPCW		SPCW	
<b>ELECTRICAL CHARACTERISTICS</b>								
Impedance	50±2		50±1.5		50±1.5		50±1.5	
Capacitance (Nominal)								
(pF/ft)	29.0		29.0		29.0		29.0	
(pF/m)	95.1		95.1		95.1		95.1	
Corona Extinction Voltage								
(VRMS 60Hz)	500		750		750		750	
Voltage Withstanding								
(VRMS 60Hz)	750		2000		2000		2000	
Cut off Frequency (GHz)	245		155		155		155	
Typical Attenuation (dB/100Ft)	Attenuation	Power	Attenuation	Power	Attenuation	Power	Attenuation	Power
Average Power (Watts CW) at 20°C and Sea Level								
0.5GHz	53.3	20.4	34	35.7	34	28.5	34	30.5
1GHz	75.6	14.4	48.3	25.2	48.3	20	48.3	21.5
5GHz	171.4	6.4	110.4	11.1	110.4	8.8	110.4	9.5
10GHz	244.8	4.5	158.6	7.7	158.6	6.2	158.6	6.6
20GHz	351.1	3.1	229.1	5.4	229.1	4.3	229.1	4.6
<b>MECHANICAL CHARACTERISTICS</b>								
Max. Operating Temperature (°C)	125		125		125		125	
Min. Inside Bend Radius								
(inch)	0.050		0.050		0.050		0.050	
(mm)	1.27		1.27		1.27		1.27	
Weight								
(g/Ft)	0.46		0.95		0.95		0.95	
(g/M)	1.5		3.2		3.2		3.2	

CABLE

## 50 Ohm Semi-rigid Coaxial Cable

Part Number	.047CU-W-P-50		.047AG-W-P-50		.047TIN-W-P-50		.047AL-C-L-50	
<b>DIMENSIONS</b>								
Center Conductor Diameter								
(inch)	0.0113±0.0005		0.0113±0.0005		0.0113±0.0005		0.0126±0.0005	
(mm)	0.29 ± 0.0127		0.29 ± 0.0127		0.29 ± 0.0127		0.32004 ± 0.0127	
Dielectric Diameter								
(inch)	0.037±0.001		0.037±0.001		0.037±0.001		0.037±0.0015	
(mm)	0.94 ±0.0254		0.94 ±0.0254		0.94 ±0.0254		0.9398 ±0.0381	
Outer Conductor Diameter								
(inch)	0.047±0.001		0.047+0.002/-0.001		0.047+0.002/-0.001		0.047+0.002/-0.001	
(mm)	1.19 ±0.0254		1.19 +0.0508/-0.0254		1.19 +0.0508/-0.0254		1.1938 +0.0508/-0.0254	
<b>MATERIAL SPECIFICATIONS</b>								
Outer Conductor	Bare Copper		Silver Plated Copper		Tin Plated Copper		Tin Plated Aluminium	
Dielectric	PTFE		PTFE		PTFE		LDPTFE	
Center Conductor	SPCW		SPCW		SPCW		SPC	
<b>ELECTRICAL CHARACTERISTICS</b>								
Impedance	50±1.5		50±1.5		50±1.5		50±2	
Capacitance (Nominal)								
(pF/ft)	29.0		29.0		29.0		29.0	
(pF/m)	95.1		95.1		95.1		95.1	
Corona Extinction Voltage								
(VRMS 60Hz)	1000		1000		1000		1000	
Voltage Withstanding								
(VRMS 60Hz)	2000		2000		2000		2000	
Cut off Frequency (GHz)	109		109		109		115	
Typical Attenuation (dB/100Ft)	Attenuation	Power	Attenuation	Power	Attenuation	Power	Attenuation	Power
Average Power (Watts CW) at 20°C and Sea Level								
0.5GHz	24.0	80.5	24.0	62.2	24.0	67.4	/	/
1GHz	34.2	56.6	34.2	43.7	34.2	47.4	36	60
5GHz	78.8	24.7	78.8	19.1	78.8	20.7	/	/
10GHz	113.8	17.2	113.8	13.3	113.8	14.4	113	15
20GHz	165.9	11.9	165.9	9.2	165.9	9.9	161	10
<b>MECHANICAL CHARACTERISTICS</b>								
Max. Operating Temperature (°C)	150		150		150		-55/+200	
Min. Inside Bend Radius								
(inch)	0.050		0.050		0.050		0.0125	
(mm)	1.27		1.27		1.27		3.175	
Weight								
(g/Ft)	1.7		1.7		1.75		1.8	
(g/M)	5.6		5.6		5.8		6.0	

CABLE

## 50 Ohm Semi-rigid Coaxial Cable

Part Number	.070CU-C-P-50		.070AG-C-P-50		.085CU-W-P-50		.085AG-W-P-50	
<b>DIMENSIONS</b>								
Center Conductor Diameter								
(inch)	0.0179±0.0005		0.0179±0.0005		0.0201±0.0005		0.0201±0.0005	
(mm)	0.45 ± 0.0127		0.45 ± 0.0127		0.51 ± 0.0127		0.51 ± 0.0127	
Dielectric Diameter								
(inch)	0.059±0.001		0.059±0.001		0.066±0.001		0.066±0.001	
(mm)	1.5 ±0.0254		1.5 ±0.0254		1.68 ±0.0254		1.68 ±0.0254	
Outer Conductor Diameter								
(inch)	0.070±0.001		0.070+0.002/-0.001		0.0865±0.001		0.0865+0.002/-0.001	
(mm)	1.78 ±0.0254		1.78 +0.0508/-0.0254		2.20 ±0.0254		2.20 +0.0508/-0.0254	
<b>MATERIAL SPECIFICATIONS</b>								
Outer Conductor	Bare Copper		Silver Plated Copper		Bare Copper		Silver Plated Copper	
Dielectric	PTFE		PTFE		PTFE		PTFE	
Center Conductor	SPC		SPC		SPCW		SPCW	
<b>ELECTRICAL CHARACTERISTICS</b>								
Impedance	50±1		50±1		50±1.5		50±1.5	
Capacitance (Nominal)								
(pF/ft)	29.0		29.0		29.0		29.0	
(pF/m)	95.1		95.1		95.1		95.1	
Corona Extinction Voltage								
(VRMS 60Hz)	1200		1200		1500		1500	
Voltage Withstanding								
(VRMS 60Hz)	2300		2300		5000		5000	
Cut off Frequency (GHz)	68		68		61		61	
Typical Attenuation (dB/100Ft)	Attenuation	Power	Attenuation	Power	Attenuation	Power	Attenuation	Power
Average Power (Watts CW) at 20°C and Sea Level								
0.5GHz	15.2	124.0	15.2	95.8	13.6	232.0	13.6	173.5
1GHz	21.7	86.9	21.7	67.1	19.5	162.4	19.5	121.5
5GHz	50.7	37.4	50.7	28.6	45.9	69.8	45.9	52.2
10GHz	74.5	25.7	74.5	19.8	67.5	47.9	67.5	35.8
20GHz	110.2	17.5	110.2	13.5	100.3	32.6	100.3	24.3
<b>MECHANICAL CHARACTERISTICS</b>								
Max. Operating Temperature (°C)	125		125		125		125	
Min. Inside Bend Radius								
(inch)	0.125		0.125		0.050		0.050	
(mm)	3.18		3.18		1.27		1.27	
Weight								
(g/Ft)	3.5		3.5		6.1		6.35	
(g/M)	11.5		11.5		20		20.8	

CABLE

## 50 Ohm Semi-rigid Coaxial Cable

Part Number	.085TIN-W-P-50		.085AL-W-P-50		.118CU-W-L-50		.118AG-W-L-50	
<b>DIMENSIONS</b>								
Center Conductor Diameter	0.0201±0.0005		0.0201±0.0005		0.032±0.0010		0.032±0.0010	
	(inch)	0.51 ± 0.0127	(mm)	0.51 ± 0.0127	(inch)	0.813 ± 0.0254	(mm)	0.813 ± 0.0254
Dielectric Diameter	0.066±0.001		0.066±0.001		0.095±0.001		0.095±0.001	
	(inch)	1.68 ±0.0254	(mm)	1.68 ±0.0254	(inch)	2.413 ±0.0254	(mm)	2.413 ±0.0254
Outer Conductor Diameter	0.0865+0.002/-0.001		0.0865+0.002/-0.001		0.118±0.001		0.118+0.002/-0.001	
	(inch)	2.20 +0.0508/-0.0254	(mm)	2.20 +0.0508/-0.0254	(inch)	2.997 ±.0254	(mm)	2.997 +0.0508/-0.0254
<b>MATERIAL SPECIFICATIONS</b>								
Outer Conductor	Tin Plated Copper		Tin Plated Aluminium		Bare Copper		Silver Plated Copper	
Dielectric	PTFE		PTFE		LDPTFE		LDPTFE	
Center Conductor	SPCW		SPCW		SPCW		SPCW	
<b>ELECTRICAL CHARACTERISTICS</b>								
Impedance	50±1.5		50±1.5		50±1.5		50±1.5	
Capacitance (Nominal)	29.0		29.0		23.23		23.23	
	(pF/ft)	95.1	(pF/m)	95.1	(pF/ft)	76.2	(pF/m)	76.2
Corona Extinction Voltage (VRMS 60Hz)	1500		1500		1200		1200	
Voltage Withstanding (VRMS 60Hz)	5000		5000		3500		3500	
Cut off Frequency (GHz)	61		61		40		40	
Typical Attenuation (dB/100Ft)	Attenuation	Power	Attenuation	Power	Attenuation	Attenuation	Power	
	Average Power (Watts CW) at 20°C and Sea Level							
0.5GHz	13.6	190.3	14.6	140	/	/	/	
1GHz	19.5	133.2	21.0	100	/	/	/	
5GHz	45.9	57.2	49.3	40	27	27	271	
10GHz	67.5	39.3	72	28	39	39	189	
20GHz	100.3	26.7	107	19	56.7	56.7	134	
40GHz	/	/	/	/	82.9	82.9	95	
<b>MECHANICAL CHARACTERISTICS</b>								
Max. Operating Temperature (°C)	125		125		100		100	
Min. Inside Bend Radius	0.050		0.070		0.075		0.075	
	(inch)	1.27	(mm)	1.78	(inch)	1.91	(mm)	1.91
Weight	6.5		3.1		9.4		9.4	
	(g/Ft)	21.3	(g/M)	10.2	(g/Ft)	30.8	(g/M)	30.8

## 50 Ohm Semi-rigid Coaxial Cable

Part Number	.118TIN-W-L-50	.141CU-W-P-50	.141AG-W-P-50	.141TIN-W-P-50			
<b>DIMENSIONS</b>							
Center Conductor Diameter							
(inch)	0.032±0.0010	0.0359±0.0010	0.0359±0.0010	0.0359±0.0010			
(mm)	0.813 ± 0.0254	0.91 ± 0.0254	0.91 ± 0.0254	0.91 ± 0.0254			
Dielectric Diameter							
(inch)	0.095±0.001	0.1175±0.001	0.1175±0.001	0.1175±0.001			
(mm)	2.413 ±0.0254	2.98 ±0.0254	2.98 ±0.0254	2.98 ±0.0254			
Outer Conductor Diameter							
(inch)	0.118+0.002/-0.001	0.141±0.001	0.141+0.002/-0.001	0.141+0.002/-0.001			
(mm)	2.997 +0.0508/-0.0254	3.58 ±0.0254	3.58 +0.0508/-0.0254	3.58 +0.0508/-0.0254			
<b>MATERIAL SPECIFICATIONS</b>							
Outer Conductor	Tin Plated Copper	Bare Copper	Silver Plated Copper	Tin Plated Copper			
Dielectric	LDPTFE	PTFE	PTFE	PTFE			
Center Conductor	SPCW	SPCW	SPCW	SPCW			
<b>ELECTRICAL CHARACTERISTICS</b>							
Impedance	50±1.5	50±1.5	50±1.5	50±1.5			
Capacitance (Nominal)							
(pF/ft)	23.23	29.0	29.0	29.0			
(pF/m)	76.2	95.1	95.1	95.1			
Corona Extinction Voltage							
(VRMS 60Hz)	1200	1900	1900	1900			
Voltage Withstanding							
(VRMS 60Hz)	3500	5000	5000	5000			
Cut off Frequency (GHz)	40	34	34	34			
Typical Attenuation (dB/100Ft)	Attenuation	Attenuation	Power	Attenuation	Power	Attenuation	Power
Average Power (Watts CW)							
at 20°C and Sea Level							
0.5GHz	/	7.8	600.5	7.8	436.5	7.8	483.5
1GHz	/	11.3	417.5	11.3	303.4	11.3	336.2
5GHz	27	27.7	174.4	27.7	126.7	27.7	140.4
10GHz	39	41.5	117.5	41.5	85.5	41.5	94.6
20GHz	56.7	63.6	77.9	63.6	56.6	63.6	62.7
40GHz	82.9	/	/	/	/	/	/
<b>MECHANICAL CHARACTERISTICS</b>							
Max. Operating Temperature (°C)	100	125		125		125	
Min. Inside Bend Radius							
(inch)	0.075	0.075		0.075		0.075	
(mm)	1.91	1.91		1.91		1.91	
Weight							
(g/Ft)	9.4	14.3		14.5		14.8	
(g/M)	30.8	46.9		47.6		48.5	

CABLE

## 50 Ohm Semi-rigid Coaxial Cable

Part Number	.141AL-W-P-50		.141SS-W-P-50		.250CU-C-P-50	
<b>DIMENSIONS</b>						
Center Conductor Diameter						
(inch)	0.0359±0.0010		0.0359±0.0010		0.0641±0.0010	
(mm)	0.91 ± 0.0254		0.91 ± 0.0254		1.63 ± 0.0254	
Dielectric Diameter						
(inch)	0.1175±0.001		0.1175±0.001		0.209±0.002	
(mm)	2.98 ±0.0254		2.98 ±0.0254		5.31 ±0.0508	
Outer Conductor Diameter						
(inch)	0.141+0.002/-0.001		0.141+0.002/-0.001		0.250±0.001	
(mm)	3.58 +0.0508/-0.0254		3.58 +0.0508/-0.0254		6.35 ±0.025.4	
<b>MATERIAL SPECIFICATIONS</b>						
Outer Conductor	Tin Plated Aluminium		Stainless Steel		Bare Copper	
Dielectric	PTFE		PTFE		PTFE	
Center Conductor	SPCW		SPCW		SPC	
<b>ELECTRICAL CHARACTERISTICS</b>						
Impedance	50±1.5		50±1.5		50±1.5	
Capacitance (Nominal)						
(pF/ft)	29.0		29.0		29.0	
(pF/m)	95.1		95.1		95.1	
Corona Extinction Voltage						
(VRMS 60Hz)	1900		1900		3000	
Voltage Withstanding						
(VRMS 60Hz)	5000		5000		7500	
Cut off Frequency (GHz)	34		34		19	
Typical Attenuation (dB/100Ft)	Attenuation	Power	Attenuation	Power	Attenuation	Power
Average Power (Watts CW) at 20°C and Sea Level						
0.5GHz	8.3	275	7.8	600.5	4.6	1332.1
1GHz	12.2	190	11.3	417.5	6.8	914.6
5GHz	30.0	78	27.7	174.4	17.4	364.4
10GHz	46.6	50	41.5	117.5	27.0	238.2
20GHz	71.0	34	63.6	77.9	/	/
40GHz	/	/	/	/	/	/
<b>MECHANICAL CHARACTERISTICS</b>						
Max. Operating Temperature (°C)	125		125		100	
Min. Inside Bend Radius						
(inch)	0.125		0.15		0.375	
(mm)	3.18		3.82		9.53	
Weight						
(g/Ft)	8.15		14.3		45	
(g/M)	26.7		46.9		148	

CABLE

## 50 Ohm Semi-rigid Coaxial Cable

Part Number	.250AG-C-P-50		.250TIN-C-P-50		
<b>DIMENSIONS</b>					
Center Conductor Diameter					
(inch)	0.0641±0.0010		0.0641±0.0010		
(mm)	1.63 ± 0.0254		1.63 ± 0.0254		
Dielectric Diameter					
(inch)	0.209±0.002		0.209±0.002		
(mm)	5.31 ±0.0508		5.31 ±0.0508		
Outer Conductor Diameter					
(inch)	0.250+0.002/-0.001		0.250+0.002/-0.001		
(mm)	6.35 +0.0508/-0.0254		6.35 +0.0508/-0.0254		
<b>MATERIAL SPECIFICATIONS</b>					
Outer Conductor	Silver Plated Copper		Tin Plated Copper		
Dielectric	PTFE		PTFE		
Center Conductor	SPC		SPC		
<b>ELECTRICAL CHARACTERISTICS</b>					
Impedance	50±1.5		50±1.5		
Capacitance (Nominal)					
(pF/ft)	29.0		29.0		
(pF/m)	95.1		95.1		
Corona Extinction Voltage					
(VRMS 60Hz)	3000		3000		
Voltage Withstanding					
(VRMS 60Hz)	7500		7500		
Cut off Frequency (GHz)	19		19		
Typical Attenuation (dB/100Ft) Average Power (Watts CW) at 20°C and Sea Level	Attenuation	Power	Attenuation	Power	
	0.5GHz	4.6	951.6	4.6	1061.2
	1GHz	6.8	653.1	6.8	728.4
	5GHz	17.4	259.9	17.4	290.0
	10GHz	27.0	169.8	27.0	189.5
<b>MECHANICAL CHARACTERISTICS</b>					
Max. Operating Temperature (°C)	100		100		
Min. Inside Bend Radius					
(inch)	0.375		0.375		
(mm)	9.53		9.53		
Weight					
(g/Ft)	45		45		
(g/M)	148		148		

CABLE

## Low Impedance Semi-Rigid Cable

Part Number	.034CU-C-F-10		.034CU-C-P-17		.034CU-W-P-25		.043AG-C-F-10	
<b>DIMENSIONS</b>								
Center Conductor Diameter								
(inch)	0.0201±0.0005		0.0159±0.0005		0.0126±0.0005		0.0285±0.0005	
(mm)	0.51 ± 0.0127		0.4± 0.0127		0.32± 0.0127		0.72± 0.0127	
Dielectric Diameter								
(inch)	0.025±0.001		0.025 ±0.001		0.023 ±0.001		0.036 ±0.001	
(mm)	0.64 ±0.0254		0.64 ±0.0254		0.58 ±0.0254		0.91±0.0254	
Outer Conductor Diameter								
(inch)	0.034±0.001		0.034±0.001		0.034±0.001		0.043+0.0002/-0.001	
(mm)	0.86±0.0254		0.86 ±0.0254		0.86 ±0.0254		1.09+0.0508/-0.0254	
<b>MATERIAL SPECIFICATIONS</b>								
Outer Conductor	Bare Copper		Bare Copper		Bare Copper		Silver Plated Copper	
Dielectric	FEP		PTFE		PTFE		FEP	
Center Conductor	SPC		SPC		SPCW		SPC	
<b>ELECTRICAL CHARACTERISTICS</b>								
Impedance	10±3		17±1		25±1.5		10±1.5	
Capacitance (Nominal)								
(pF/ft)	145.1		85.4		58.0		145.1	
(pF/m)	476.0		280.0		190.4		476.0	
Corona Extinction Voltage								
(VRMS 60Hz)	200		200		200		200	
Voltage Withstanding								
(VRMS 60Hz)	500		500		500		500	
Cut off Frequency (GHz)	116		128		148		81	
Typical Attenuation (dB/100Ft) Average	Attenuation	Power	Attenuation	Power	Attenuation	Power	Attenuation	Power
Power (Watts CW) at 20°C and Sea Level								
0.5GHz	100	15	61.9	27	49.9	30	65.6	27.7
1GHz	141.8	10.6	87.8	19	70.8	21.2	93.0	19.5
5GHz	319.3	4.7	198.7	8.4	160.6	9.4	210.3	8.7
10GHz	454	3.3	283.4	5.9	229.5	6.6	299.8	6.1
20GHz	646.9	2.3	405.7	4.1	329.4	4.6	428.9	4.3
<b>MECHANICAL CHARACTERISTICS</b>								
Max. Operating Temperature (°C)	100		100		100		100	
Min. Inside Bend Radius								
(inch)	0.125		0.125		0.125		0.125	
(mm)	3.18		3.18		3.18		3.18	
Weight								
(g/Ft)	1.37		5.8		5.8		2.04	
(g/M)	4.5		19		19		6.7	

CABLE

## Low Impedance Semi-Rigid Cable

Part Number	.070CU-C-F-10	.070AG-C-F-10	.070AG-C-F-25		.090CU-C-P-25	
<b>DIMENSIONS</b>						
Center Conductor Diameter						
(inch)	0.0403±0.0005	0.0403±0.0005	0.032±0.001		0.0403±0.001	
(mm)	1.024± 0.0127	1.024± 0.0127	0.81± 0.0254		1.02 ± 0.0254	
Dielectric Diameter						
(inch)	0.050 ±0.001	0.050 ±0.001	0.056 ±0.001		0.073±0.001	
(mm)	1.27 ±0.0254	1.27 ±0.0254	1.42 ±0.0254		1.85 ± 0.0254	
Outer Conductor Diameter						
(inch)	0.070±0.001	0.070+0.002/-0.001	0.070+0.002/-0.001		0.090±0.001	
(mm)	1.78 ±0.0254	1.78 +0.0508/-0.0254	1.78 +0.0508/-0.0254		2.29 ±0.0254	
<b>MATERIAL SPECIFICATIONS</b>						
Outer Conductor	Bare Copper	Silver Plated Copper	Silver Plated Copper		BARE COPPER	
Dielectric	FEP	FEP	FEP		PTFE	
Center Conductor	SPC	SPC	SPC		SPC	
<b>ELECTRICAL CHARACTERISTICS</b>						
Impedance	10±2	10±2	25±1.5		25±2	
Capacitance (Nominal)						
(pF/ft)	145	145	58.0		58.0	
(pF/m)	475	475	190.4		190.4	
Corona Extinction Voltage						
(VRMS 60Hz)	500	500	1500		750	
Voltage Withstanding						
(VRMS 60Hz)	1000	1000	2500		1000	
Cut off Frequency (GHz)	58	58	58		46	
Typical Attenuation (dB/100Ft) Average	Attenuation	Attenuation	Attenuation	Power	Attenuation	Power
Power (Watts CW) at 20°C and Sea Level						
0.5GHz	56	56	21.7	78.1	16.1	205.0
1GHz	79	79	30.9	54.9	23.0	143.8
5GHz	178	178	71.4	23.9	53.8	62.1
10GHz	253	253	103.4	16.6	78.5	42.8
20GHz	360	360	151.1	11.5	116.0	29.3
<b>MECHANICAL CHARACTERISTICS</b>						
Max. Operating Temperature (°C)	100	100	100		125	
Min. Inside Bend Radius						
(inch)	0.125	0.125	0.125		0.125	
(mm)	3.18	3.18	3.18		3.18	
Weight						
(g/Ft)	5.8	5.8	4.6		7.3	
(g/M)	19	19	15.1		24	

CABLE

## Low & High Impedance Semi-Rigid Cable

Part Number	.125CU-C-P-25		.141CU-W-P-75		.130CU-W-P-93		
<b>DIMENSIONS</b>							
Center Conductor Diameter							
(inch)	0.056±0.001		0.0201±0.0005		0.0113±0.0005		
(mm)	1.42 ± 0.0254		0.51 ± 0.0127		0.29 ± 0.0127		
Dielectric Diameter							
(inch)	0.102±0.001		0.1175±0.001		0.103±0.001		
(mm)	2.6 ±0.0254		2.98 ±0.0254		2.62 ± 0.0254		
Outer Conductor Diameter							
(inch)	0.125±0.001		0.141±0.001		0.130±0.001		
(mm)	3.175 ±0.0254		3.58 ±0.0254		3.3 ±0.0254		
<b>MATERIAL SPECIFICATIONS</b>							
Outer Conductor	BARE COPPER		BARE COPPER		BARE COPPER		
Dielectric	PTFE		PTFE		PTFE		
Center Conductor	SPC		SPCW		SPCW		
<b>ELECTRICAL CHARACTERISTICS</b>							
Impedance	25±1		75±1		93±1.5		
Capacitance (Nominal)							
(pF/ft)	61.0		19.3		15.6		
(pF/m)	200.0		63.5		51.2		
Corona Extinction Voltage							
(VRMS 60Hz)	1500		2000		1500		
Voltage Withstanding							
(VRMS 60Hz)	2500		5000		3000		
Cut off Frequency (GHz)	34		38		46		
Typical Attenuation (dB/100Ft) Average Power (Watts CW) at 20°C and Sea Level	Attenuation	Power	Attenuation	Power	Attenuation	Power	
	0.5GHz	12.7	500	8.4	549.0	11.2	380.0
	1GHz	18.2	350	12.1	382.2	16.1	226.0
	5GHz	43.0	150	29.4	160.6	38.2	113.5
	10GHz	63.0	100	44.1	108.6	56.5	77.6
	20GHz	94.0	68	67.2	72.4	84.7	52.4
<b>MECHANICAL CHARACTERISTICS</b>							
Max. Operating Temperature (°C)	125		125		125		
Min. Inside Bend Radius							
(inch)	0.188		0.075		0.188		
(mm)	4.78		1.91		4.78		
Weight							
(g/Ft)	14.9		13.5		12.5		
(g/M)	48.9		44.3		42		

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