

SFT-304		SFT-318		SFT-320						
Physical & Mechanical Specifications										
inches	mm	inches	mm	inches	mm	Dimensions				
0.062	1.57	0.074	1.88	0.089	2.26	Center Conductor				
0.185	4.70	0.221	5.61	0.250	6.35	Dielectric				
0.195	4.95	0.231	5.87	0.260	6.60	Inner Shield				
0.200	5.08	0.240	6.10	/	/	Interlayer				
0.227	5.77	0.263	6.68	0.290	7.37	Outer Shield				
0.250	6.35	0.291	7.39	0.322	8.18	Jacket				
1.250	31.80	1.750	44.45	1.860	47.24	Bend Radius: minimum				
0.067lbs/ft	0.10kG/m	0.095lbs/ft	0.14kG/m	0.090lbs/ft	0.13kG/m	Weight				
-67°/+392°F					(-55°/+200°C)					Temperature Range
Electrical Specifications										
50 ohms		50 ohms		50 ohms		Impedance				
76%		76%		76%		Velocity of Propagation				
1.73		1.73		1.73		Dielectric Constant				
>100 dB		>90 dB		>90 dB		Shielding Effectiveness				
1.34 nS/ft	4.39 nS/m	1.34 nS/ft	4.39 nS/m	1.34 nS/ft	4.39 nS/m	Time Delay				
26.7 pF/ft	87.7 pF/m	27.0 pF/ft	88.6 pF/m	26.4 pF/ft	86.6 pF/m	Capacitance				
0.067 uH/ft	0.22 uH/m	0.067 uH/ft	0.22 uH/m	0.067 uH/ft	0.22 uH/m	Inductance				
23 GHz		18 GHz		16 GHz		Cutoff Frequency				
2000 DC		2000 DC		2500 DC		Voltage Withstand				
ohms/1000ft	ohms/km	ohms/1000ft	ohms/km	ohms/1000ft	ohms/km	DC Resistance - ohms				
2.70	8.9	1.89	6.2	1.67	5.5	Inner Conductor				
2.02	6.6	1.90	6.2	1.8	5.9	Outer Conductor				
Attenuation & Power Handling										
dB/100ft	dB/100m	kW	dB/100ft	dB/100m	kW	dB/100ft	dB/100m	kW	Frequency MHz	
0.8	2.5	9.057	0.71	2.33	10.80	0.60	1.97	13.80	13.56	
1.1	3.8	6.076	1.06	3.47	7.24	0.90	2.95	9.20	30	
2.1	6.9	3.310	1.94	6.36	3.95	1.70	5.58	5.00	100	
2.6	8.5	2.695	2.38	7.80	3.22	2.10	6.89	4.10	150	
4.2	13.9	1.635	3.91	12.81	1.95	3.30	10.82	2.50	400	
6.4	21.0	1.077	5.90	19.37	1.29	5.00	16.40	1.60	900	
6.8	22.2	1.020	6.23	20.44	1.22	5.30	17.38	1.50	1000	
8.3	27.3	0.826	7.67	25.16	0.99	6.60	21.65	1.20	1500	
9.7	31.7	0.710	8.90	29.19	0.85	7.70	25.26	1.10	2000	
11.9	39.2	0.573	10.97	36.00	0.69	8.99	29.49	0.86	3000	
13.9	45.5	0.491	12.75	41.83	0.59	10.48	34.37	0.73	4000	
15.6	51.2	0.435	14.33	47.02	0.52	12.40	40.67	0.65	5000	
17.2	56.4	0.394	15.78	51.76	0.47	13.03	42.74	0.59	6000	
20.1	65.8	0.336	18.37	60.28	0.41	15.24	49.99	0.50	8000	
22.6	74.2	0.297	20.70	67.90	0.36	17.24	56.53	0.44	10000	
25.0	81.9	0.268	22.83	74.90	0.32	20.00	65.60	0.40	12000	
26.6	87.3	0.251	24.33	79.81	0.30				13500	
28.2	92.5	0.236	25.75	84.50	0.29				15000	
31.2	102.2	0.213	28.44	93.32	0.26				18000	
36.6	119.9	0.180							24000	
									28000	
									35000	
									63000	
Attenuation at Frequency										
0.208100		0.192356		0.154065		K1				
0.000180		0.000146		0.000183		K2				