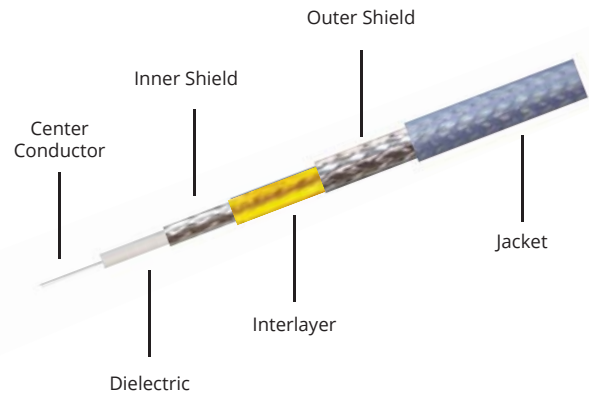


SFT Cables

Cable Feature:

Flexibility	Good/Very Good
Attenuation	Low
Power Handling	Very High
Temperature	High
Connector Availability	Good



	SFT-393		SFT-226		SFT-500		SFT-600		SFT-900	
AA Drawing Number	AA-8653		AA-8654		AA-11168		AA-9649		AA-60053	
Stock Code	51800		51803		510-0037		51963		510-0153	
Physical Specifications										
Description	in (mm)		in (mm)		in (mm)		in (mm)		in (mm)	
Center Conductor	Solid SC		Solid SC		Stranded SC		Stranded SC		BC Tube	
	0.096 (2.44)		0.131 (3.33)		0.145 (3.68)		0.160 (4.06)		0.227 (5.77)	
Dielectric	Expanded PTFE Tape		Expanded PTFE Tape		Expanded PTFE Tape		Expanded PTFE Tape		Expanded PTFE Tape	
	0.285 (7.24)		0.370 (9.40)		0.408 (10.36)		0.455 (11.56)		0.680 (17.27)	
Inner Shield	SC Flat Braid		SC Flat Braid		SC Flat Braid		SC Flat Braid		SC Flat Braid	
	0.295 (7.49)		0.380 (9.65)		0.420 (10.67)		0.465 (11.81)		0.695 (17.65)	
Interlayer	MT		MT		/		MT		APT	
	0.301 (7.65)		0.385 (9.78)				0.471 (11.96)		0.703 (17.86)	
Outer Shield	SC		SC		SC		SC		TC	
	0.330 (8.38)		0.399 (10.14)		0.448 (11.38)		0.500 (12.70)		0.748 (18.99)	
Jacket	FEP		FEP		FEP		FEP		FEP	
	0.390 (9.91)		0.485 (12.32)		0.490 (12.45)		0.555 (14.10)		0.815 (20.70)	
Mechanical Specifications										
Bend Radius	2.0 (50.8)		2.5 (63.5)		2.5 (63.5)		2.75 (69.9)		4.25 (107.9)	
Weight	0.126 lb/ft		0.235 lb/ft		0.230 lb/ft		0.240 lb/ft		0.535 lb/ft	
Operating Temperature Range	-55/+200 C		-55/+200 C		-55/+200 C		-55/+200 C		-55/+200 C	
Electrical Specifications										
Impedance	50 ohms		50 ohms		50 ohms		50 ohms		50 ohms	
Shielding Effectiveness	100 dB		100 dB		80 dB		100 dB		100 dB	
Dielectric Constant	1.73		1.73		1.73		1.73		1.73	
Velocity of Propagation	0.76		0.76		0.76		0.76		0.76	
Capacitance	26.7pF/ft		26.7pF/ft		26.7pF/ft		26.7pF/ft		26.7pF/ft	
Voltage Withstand (kV DC)	5		6		7		8		9.45	
Attenuation: dB/100ft (100m) +25C Ambient; Sea Level										
13.56 MHz	0.50	1.65	0.45	1.49	0.43	1.43	0.37	1.21	0.21	0.69
50 MHz	0.97	3.18	0.87	2.87	0.84	2.75	0.71	2.34	0.41	1.34
100 MHz	1.38	4.52	1.24	4.07	1.19	3.91	1.01	3.32	0.58	1.90
1000 MHz	4.48	14.69	4.04	13.24	3.90	12.78	3.30	10.84	1.95	6.40
1500 MHz	5.53	18.15	4.99	16.37	4.82	15.82	4.09	13.40	2.44	8.00
2000 MHz	6.44	21.12	5.81	19.04	5.62	18.43	4.76	15.61	2.87	9.41
2500 MHz	7.25	23.77	6.54	21.43	6.33	20.76	5.36	17.58	3.26	10.69
3000 MHz	7.99	26.19	7.20	23.62	6.98	22.90	5.91	19.38	3.61	11.84
K1	0.135930		0.122500		0.117433		0.099850		0.051038	
K2	0.000180		0.000164		0.000183		0.000146		0.000366	
Power (Watts)										
+25 C ambient, sea level	max rating	60°C jacket	max rating	60°C jacket	max rating	60°C jacket	max rating	60°C jacket	max rating	60°C jacket
13.56 MHz	27.50	7.33	37.00	9.45	42.00	9.98	51.50	12.75	95.00	28.00
50 MHz	14.25	3.80	19.00	4.90	21.75	5.18	26.75	6.70	50.00	14.00
100 MHz	10.00	2.68	13.50	3.45	15.25	3.63	18.75	4.73	35.00	10.00
1000 MHz	3.10	0.82	4.18	1.05	4.70	1.10	5.80	1.45	10.00	3.00
1500 MHz	2.50	0.67	3.38	0.86	3.80	0.90	4.68	1.18	8.30	2.40
2000 MHz	2.15	0.57	2.90	0.74	3.28	0.77	4.03	1.00	7.10	2.10
2500 MHz	1.93	0.51	2.58	0.66	2.90	0.69	3.58	0.89	6.20	1.80
3000 MHz	1.75	0.46	2.35	0.59	2.63	0.62	3.25	0.81	5.60	1.60

* MT = Metallized Composite Tapes