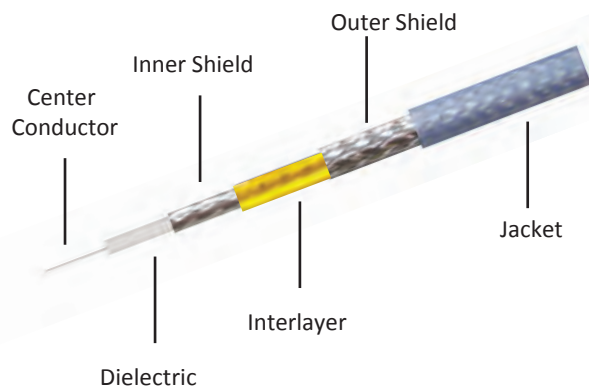


SFT Cables

Cable Feature:

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



	SFT-393	SFT-226	SFT-500	SFT-600
AA Drawing Number	AA-8653	AA-8654	AA-11168	AA-9649
Part Number	51800	51803	510-0037	51963
Physical Specifications				
Description	in (mm)	in (mm)	in (mm)	in (mm)
Center Conductor	Solid SC	Solid SC	Stranded SC	Stranded SC
	0.096 (2.44)	0.131 (3.33)	0.145 (3.68)	0.160 (4.06)
Dielectric	PTFE	PTFE	PTFE	PTFE
	0.285 (7.24)	0.370 (9.40)	0.408 (10.36)	0.455 (11.56)
Inner Shield	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)
Interlayer	MT	MT	NA	MT
	0.301 (7.65)	0.385 (9.78)		0.471 (11.96)
Outer Shield	SC	SC	SC	SC
	0.330 (8.38)	0.399 (10.14)	0.448 (11.38)	0.500 (12.70)
Jacket	FEP	FEP	FEP	FEP
	0.390 (9.91)	0.485 (12.32)	0.490 (12.45)	0.555 (14.10)
Mechanical Specifications				
Bend Radius	2.0 (50.8)	2.5 (63.5)	2.5 (63.5)	2.75 (69.9)
Weight	0.126 lb/ft	0.235 lb/ft	0.230 lb/ft	0.240 lb/ft
Operating Temperature Range	-55/+200 °C	-55/+200 °C	-55/+200 °C	-55/+200 °C
Electrical Specifications				
Impedance	50 ohms	50 ohms	50 ohms	50 ohms
Shielding Effectiveness	100 dB	100 dB	80 dB	100 dB
Dielectric Constant	1.73	1.73	1.73	1.73
Velocity of Propagation	0.76	0.76	0.76	0.76
Capacitance	26.7pF/ft	26.7pF/ft	26.7pF/ft	26.7pF/ft
DC Voltage (kV)	5	6	7	8
Attenuation: dB/100ft (100m) (+25°C Ambient; Sea Level)				
13.56 MHz	0.50 (1.65)	0.45 (1.49)	0.43 (1.43)	0.37 (1.21)
50 MHz	0.97 (3.18)	0.87 (2.87)	0.84 (2.75)	0.71 (2.34)
100 MHz	1.38 (4.52)	1.24 (4.07)	1.19 (3.91)	1.01 (3.32)
1000 MHz	4.48 (14.69)	4.04 (13.24)	3.90 (12.78)	3.30 (10.84)
1500 MHz	5.53 (18.15)	4.99 (16.37)	4.82 (15.82)	4.09 (13.40)
2000 MHz	6.44 (21.12)	5.81 (19.04)	5.62 (18.43)	4.76 (15.61)
2500 MHz	7.25 (23.77)	6.54 (21.43)	6.33 (20.76)	5.36 (17.58)
3000 MHz	7.99 (26.19)	7.20 (23.62)	6.98 (22.90)	5.91 (19.38)
K1	0.135930	0.122500	0.117433	0.099850
K2	0.000180	0.000164	0.000183	0.000146
Power (Watts) (+25°C Ambient; Sea Level)				
13.56 MHz	27605	37095	42102	51888
50 MHz	14319	19241	21820	26900
100 MHz	10090	13558	15366	18948
1000 MHz	3113	4182	4717	5826
1500 MHz	2522	3388	3815	4715
2000 MHz	2169	2915	3278	4053
2500 MHz	1929	2592	2912	3601
3000 MHz	1752	2354	2642	3268