

COAX Cable

Flexible SFT Coax Cable

Summary

SFT high performance microwave cables are flexible, suit interconnect applications and antenna feeders in military and commercial systems. The wide range of available connectors covers many interface types and frequency ranges.

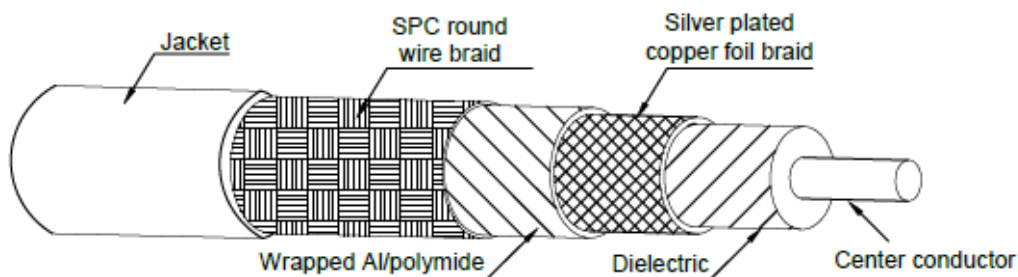


Features & Benefits:

- Much lower loss than solid dielectric cables;
- Superior shielding effectiveness;
- Stable loss, VSWR and phase with flexing;

A basic cable construction is shown below.

1. Inner Conductor: Solid Silver Plated Copper Wire
2. Insulation: Wrapped Low Density PTFE
3. Outer Conductor: Silver Plated Copper Flat Ribbon Braid
4. Interlayer: Aluminum/Polyimide ;
5. Shielding: Silver Plated Copper Braiding
6. Outer Jacket: Nom. FEP



SFT Cable's electrical feature:

- Velocity of propagation: 76%
- Capacitance: 87pf/m
- Shielding efficient > 100Db
- Time delay: 4.37ns/m
- Operation Temperature: -55°C ~ 200°C

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Cable Construction and Cable Type

Product Number	LSSFT120	LSSFT180	LSSFT205	LSSFT250	LSSFT390	LSSFT480	LSSFT560
Conductor	1/0.57	1/1.02	1/1.29	1/1.57	1/2.44	1/3.33	1/4.1
Dielectric	ePTFE	ePTFE	ePTFE	ePTFE	ePTFE	ePTFE	ePTFE
Braid Dia.(mm)	2.42	4.0	4.72	5.75	8.1	10.15	12.6
Outer Dia.(mm)	3.05	4.6	5.20	6.35	9.9	12.1	14.3
Min Bend Radius	12.7	19.1	25.4	31.8	50.8	63.5	76.2
Weight(grams/m)	29.7	49.2	57.3	103.3	190	350	390
Cutoff Fre.(Ghz)	63	35	26	23	15	11	8.8

Attenuation vs Frequency

