

FSA-630

P/N: 9908

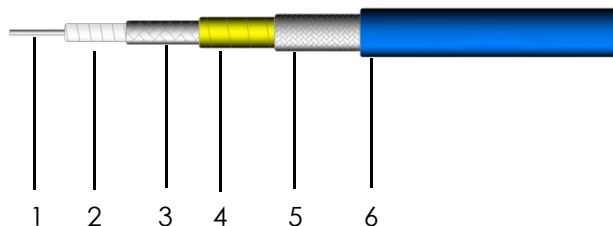
High Performance Low Loss Coax Cable

Ver C Release Date Jul, 2017



Features&Benefits

- 76%Vp PTFE Tape+SPC Ribbon+Tri-Sheild
- Low Loss, Better bending performance,Durable
- Equivalent to SFT-304
- Replace to HP305s, 32051,LL392



Construction Specification

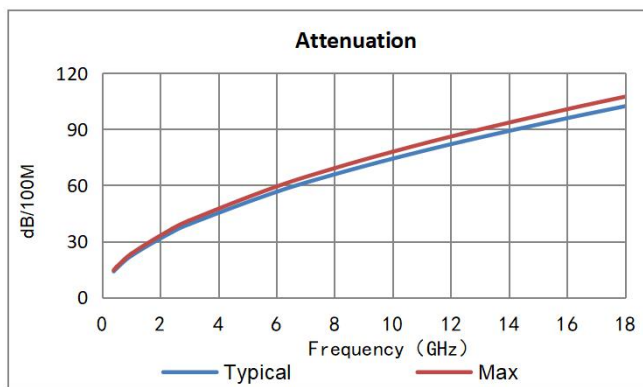
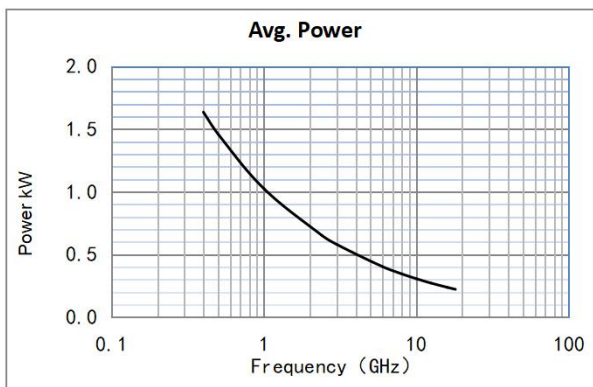
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.57	±0.03	Silver Plated Copper
2	Dielectric	4.72	±0.06	LD PTFE
3	Outer conductor	5.02	±0.06	Silver Plated Flat Wire
4	Innerlayer	5.10	±0.10	Aluminum Laminate
5	Outer shield	5.55	±0.12	Silver Plated Copper
6	Jacket	6.00	±0.15	Blue FEP

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	32
Bend Radius:repeated (mm)	63
Weight (g/m)	90
Temp, Operating&Installation (°C)	-55~200
Temp, Storage (°C)	-65~200

Electrical Specifications

Operation Frequency (GHz)	18
Impedance (Ohms)	50
Velocity of Propagation	76%
Shielding Effectiveness (dB)	100
Voltage Withstand (V,DC)	2000



Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	400	500	1000	2400	3000	6000	8000	10000	12400	16000	18000
dB/100 m	13.89	15.56	22.18	34.86	39.17	56.43	65.79	74.18	83.35	95.81	102.23
Avg.Power kW	1.635	1.459	1.024	0.651	0.580	0.402	0.345	0.306	0.272	0.237	0.222
	K1= 0.6827428					K2= 0.0005906					

$$\text{Calculate Attenuation} = K1 * \sqrt{\text{FMHz}} + K2 * \text{FMHz}$$

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