

FSE-360

P/N 9501

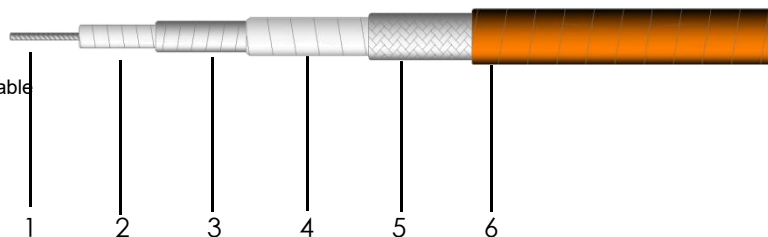


Ultra Low Loss Phase Stable Coax Cable

Ver B Release Date May, 2017

Features&Benefits

- 81%Vp PTFE Tape+SPC Foil
- Ultra Low Loss, Excellent Temp Phase Stable



Construction Specification

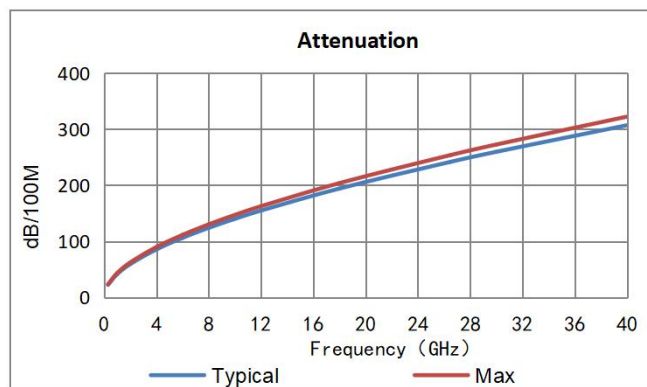
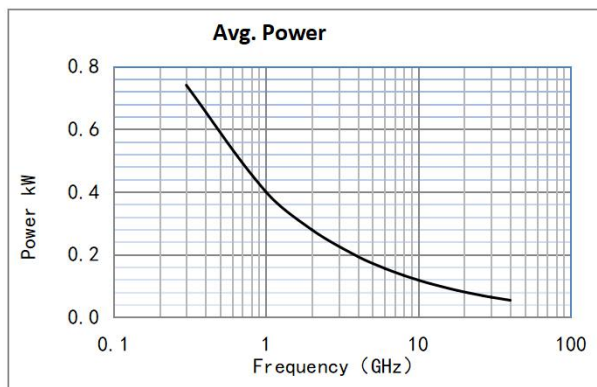
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.91	±0.03	19end Stranded Silver Plated Copper
2	Dielectric	2.48	±0.06	LD PTFE
3	Outer conductor	2.70	±0.06	Silver Plated Copper Foil
4	Inner Layer	2.90	±0.06	PTFE
5	Shield	3.30	±0.10	Silver Plated Copper
6	Jacket	3.80	±0.10	Orange PTFE

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	18
Bend Radius:repeated (mm)	36
Weight (g/m)	35
Temp, Operating&Installation (°C)	-55~200
Temp, Storage (°C)	-65~200

Electrical Specifications

Operation Frequency (GHz)	40
Impedance (Ohms)	50
Velocity of Propagation	81%
Shielding Effectiveness (dB)	90
Voltage Withstand (V,DC)	900



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

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	18000	26500	30000	40000
dB/100 m	22.33	41.37	59.29	85.42	106.10	123.96	140.01	154.77	193.99	241.64	259.53	306.88
Avg.Power kW	0.740	0.399	0.279	0.193	0.156	0.133	0.118	0.107	0.085	0.068	0.064	0.054
	K1= 1.2657000					K2= 0.0013435						

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

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