

RFSE400

Ultra Low Loss Phase Stable Coax Cable

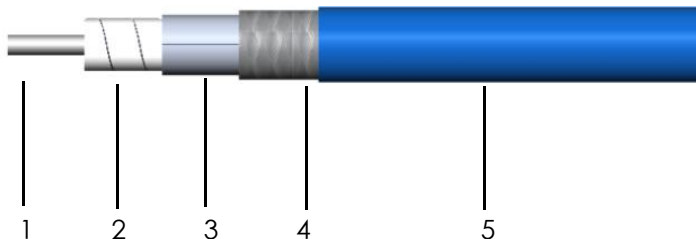
Ver A1 Release Date Match, 2018



P/N: 14040

Features&Benefits

- 76%Vp PTFE Tape+AL Foil+SPC shield
- Low Loss
- Excellent Cost Effectiveness
- Excellent Flexible



Construction Specification

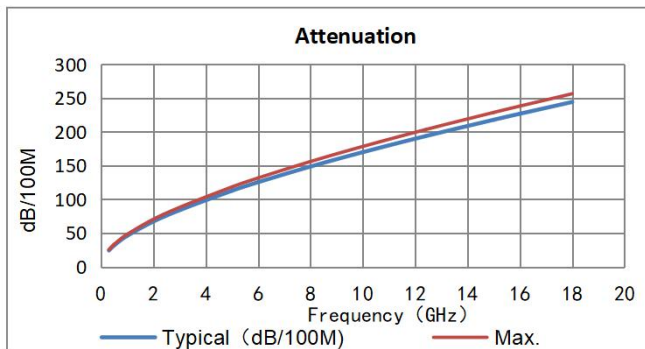
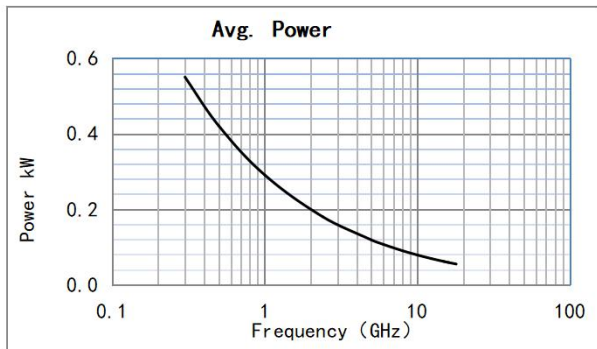
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.92	±0.03	Stranded Silver Plated Copper
2	Dielectric	2.65	±0.05	LD PTFE
3	Outer conductor	2.75	±0.05	Aluminium Foil
4	Outer shield	3.20	±0.12	Silver Plated Copper
5	Jacket	4.00	±0.15	PUR Blue or Customized

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	18
Bend Radius:repeated (mm)	30
Weight (g/m)	30
Temp, Operating&Installation (°C)	-55~85
Cutoff Frequency(GHz)	35

Electrical Specifications

Operation Frequency (GHz)	18
Impedance (Ohms)	50
Velocity of Propagation(%)	76
Shielding Effectiveness (dB)	≥90
Voltage Withstand (V,DC)	500



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

Frequency MHz	300	500	1000	2400	5000	6000	8000	10000	12400	15000	16000	18000
dB/100 m	24.3	31.8	46.0	74.3	112.7	125.3	148.5	169.8	193.6	217.7	226.7	244.1
Avg.Power kW	0.550	0.421	0.291	0.180	0.119	0.107	0.090	0.079	0.069	0.061	0.059	0.055

K1= 1.3430000

K2= 0.0035500

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

Maximum attenuation is 10% higher.

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