

RFSH350

Ultra Low Loss Phase Stable Coax Cable

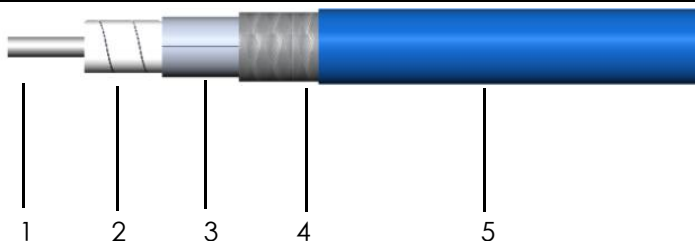
Ver A1 Release Date Match, 2018



P/N: 17035

Features&Benefits

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



Construction Specification

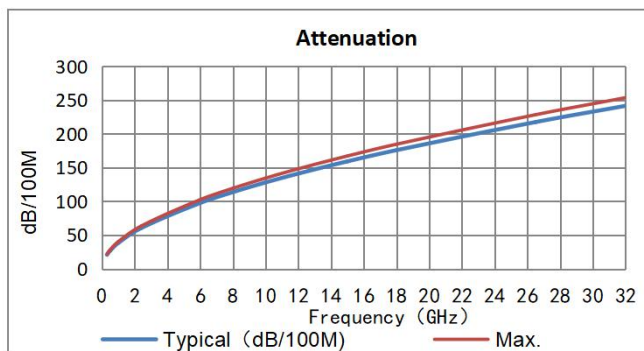
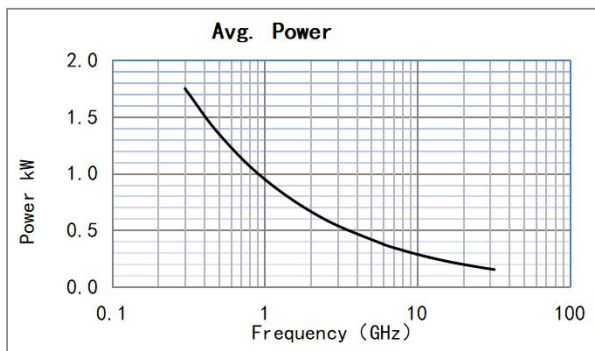
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.92	±0.03	Silver Plated Copper
2	Dielectric	2.75	±0.05	LD PTFE
3	Outer conductor	2.80	±0.05	Aluminium Foil
4	Outer shield	3.20	±0.12	Silver Plated Copper Wire
5	Jacket	3.50	±0.15	FEP Blue or Customized

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	15
Bend Radius:repeated (mm)	35
Weight (g/m)	35
Temp, Operating&Installation (°C)	-55~125
Cutoff Frequency(GHz)	33

Electrical Specifications

Operation Frequency (GHz)	26.5	Bending phase ±10°@18GHz
Impedance (Ohms)	50	Mech. phase ±0.10@18GHz
Velocity of Propagation(%)	76	
Shielding Effectiveness (dB)	≥90	
Voltage Withstand (V,DC)	800	



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

Frequency MHz	300	500	1000	2400	6000	8000	10000	12000	15000	18000	26500	32000
dB/100 m	20.9	27.1	38.6	60.5	97.6	113.6	128.0	141.1	159.2	175.7	217.3	241.4
Avg.Power kW	1.750	1.351	0.949	0.605	0.375	0.322	0.286	0.259	0.230	0.208	0.168	0.152

K1= 1.1918390

K2= 0.0008800

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

Maximum attenuation is 10% higher.

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