

# RFSH750

Ultra Low Loss Phase Stable Coax Cable

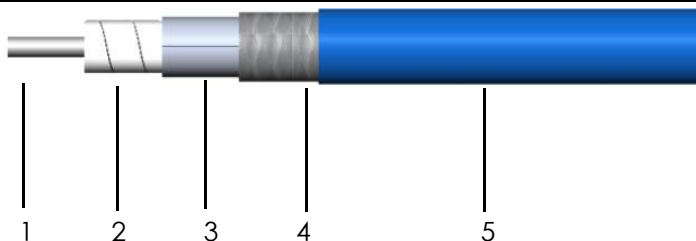
Ver A1 Release Date Match, 2018



P/N: 17075

## Features&Benefits

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



## Construction Specification

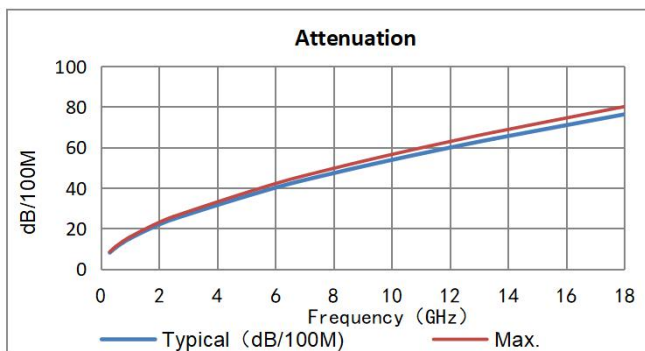
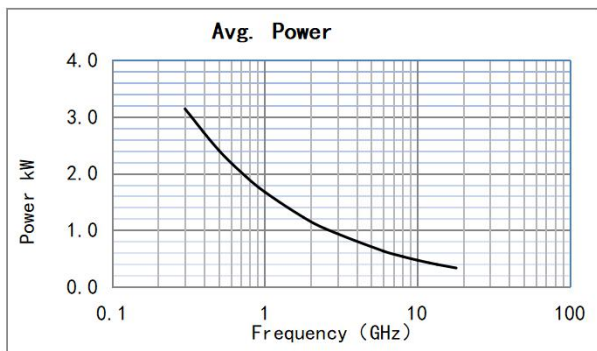
	Description	Size (mm)	Tol.	Materials
1	Center conductor	2.30	±0.03	Silver Plated Copper
2	Dielectric	6.70	±0.05	LD PTFE
3	Outer conductor	6.78	±0.05	Aluminium Foil
4	Outer shield	7.25	±0.12	Silver Plated Copper Wire
5	Jacket	7.80	±0.15	FEP Blue or Customized

## Mechanical&Environmental Specifications

Bend Radius:installation (mm)	35
Bend Radius:repeated (mm)	78
Weight (g/m)	112
Temp, Operating&Installation (°C)	-55~125
Cutoff Frequency(GHz)	16

## Electrical Specifications

Operation Frequency (GHz)	13.5	Bending phase±8°@13.5GHz
Impedance (Ohms)	50	Mech. phase±0.10@13.5GHz
Velocity of Propagation(%)	76	
Shielding Effectiveness (dB)	≥90	
Voltage Withstand (V,DC)	2000	



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

Frequency MHz	300	500	750	1000	1800	2500	6000	8000	10000	12000	13500	18000
dB/100 m	8.0	10.5	12.9	15.1	20.6	24.6	40.1	47.3	53.8	59.9	64.2	76.3
Avg.Power kW	3.141	2.409	1.949	1.674	1.223	1.023	0.629	0.534	0.469	0.421	0.393	0.331

K1= 0.4480000

K2= 0.0008980

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

Maximum attenuation is 10% higher.

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