

# FSF-350

P/N 9403

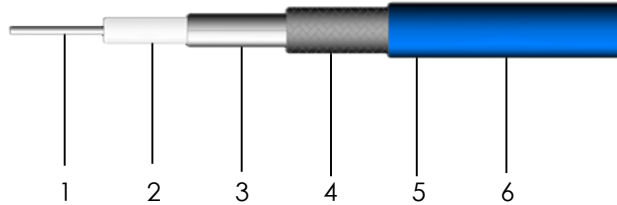
## Low loss economical type RF cable

Ver D Release Date Jan, 2018



### Features&Benefits

- LD PTFE Tape+Al Tape
- Ultra-low loss
- Good price performance
- Good softness



### Construction Specification

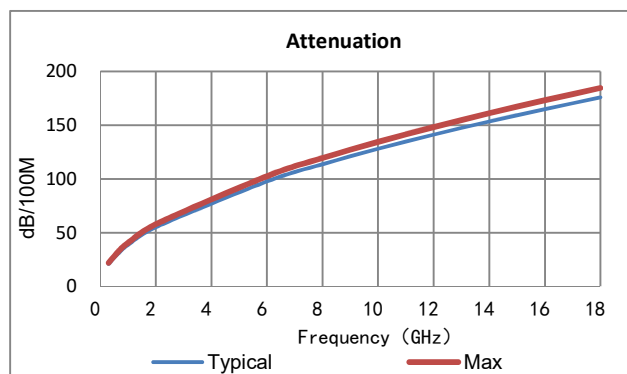
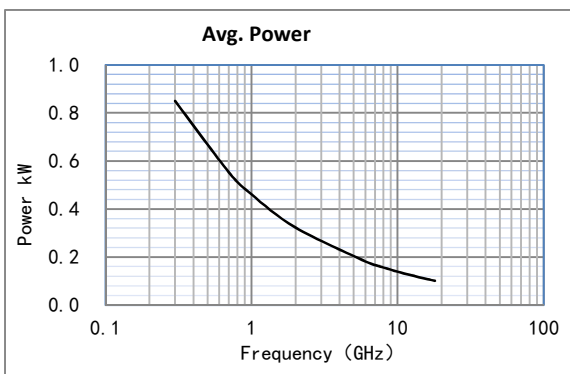
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.94	±0.02	Silver Plated Copper
2	Dielectric	2.75	±0.05	Foam PTFE
3	Outer conductor	2.82	±0.05	Al Tape
4	Outer shield	3.27	±0.10	Silver Plated Copper
5	Jacket	3.50	±0.15	Blue FEP

### Mechanical&Environmental Specifications

Bend Radius:installation (mm)	14
Bend Radius:repeated (mm)	35
Weight (g/m)	29
Temp, Operating&Installation (°C)	-55 ~ 150
Temp, Storage (°C)	-65 ~ 165

### Electrical Specifications

Operation Frequency (GHz)	18
Impedance (Ohms)	50
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	700	1000	2000	6000	8000	10000	12000	14000	16000	18000
dB/100 m	20.9	32.1	38.6	55.1	97.6	113.6	128.0	141.1	153.3	164.8	175.7
Avg.Power kW	0.850	0.553	0.461	0.323	0.182	0.156	0.139	0.126	0.116	0.108	0.101
	K1= 1.1918394					K2= 0.0008800					

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

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