

FSH-250-L

P/N 8803

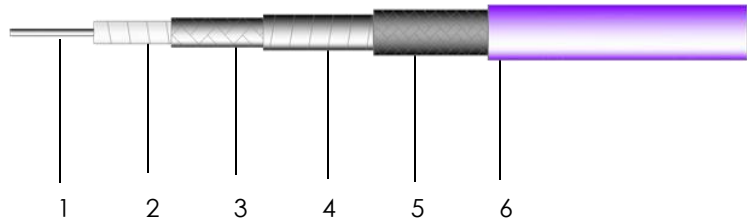


Low loss RF cable stationary phase

Ver A Release Date Jan, 2018

Features&Benefits

- 74%Vp PTFE solid dielectric + multi-layer shielding
- Excellent bending stability



Construction Specification

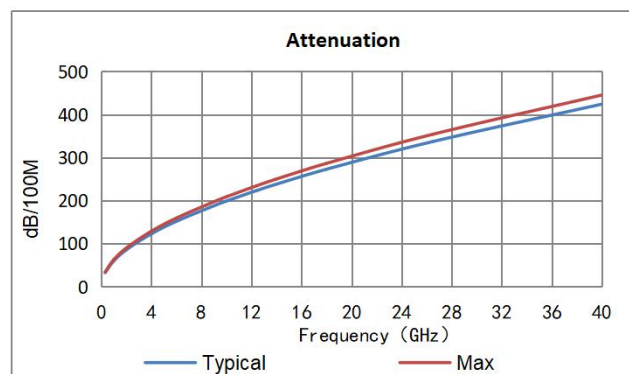
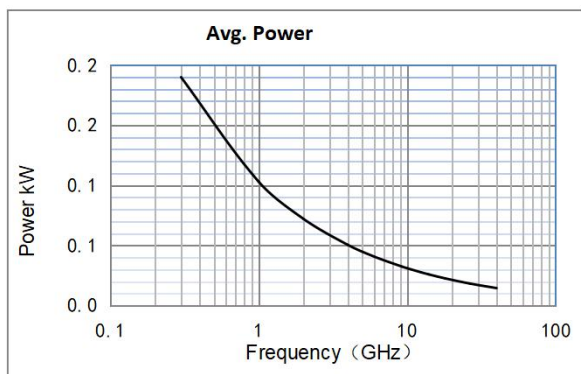
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.51	±0.02	SPC
2	Dielectric	1.55	±0.07	LD PTFE
3	Outer conductor	1.71	±0.09	Flat wire silver plated
4	Middle layer	1.81	±0.10	Aluminum foil
5	Outer shield	2.04	±0.12	Stainless steel wire
6	Jacket	2.50	±0.15	Transparent violet FEP

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	10
Bend Radius:repeated (mm)	25
Weight (g/m)	16
Temp, Operating&Installation (°C)	-55~165
Temp, Storage (°C)	-65~165

Electrical Specifications

Operation Frequency (GHz)	40
Impedance (Ohms)	50
Velocity of Propagation	74%
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	1000	2000	4000	6000	9200	10000	12400	14000	18000	26500	40000
dB/100 m	32.6	60.1	85.8	122.8	151.9	190.4	199.0	223.2	238.3	272.9	337.2	424.0
Avg.Power kW	0.19	0.10	0.07	0.05	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.01
	K1= 1.8600000					K2= 0.0013000						

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

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