

FSA-460

P/N 9901



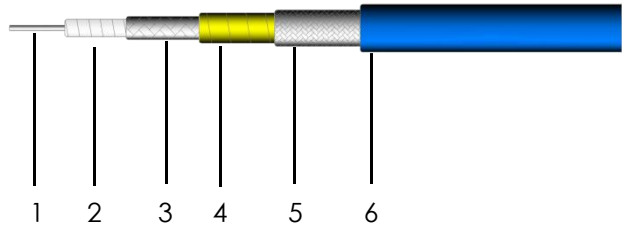
High Performance Low Loss Coax Cable

Ver B Release Date May, 2017

Features&Benefits

- 76%Vp PTFE Tape+SPC Ribbon+Tri-Sheild
- Low Loss, Better bending performance,Durable
- Equivalent to SFT-142
- Replace to HP160s, UFA147A,LL160

SUCOFLEX-102, 32022



Construction Specification

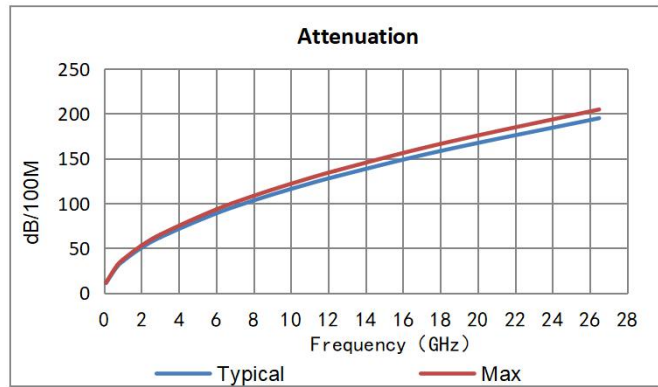
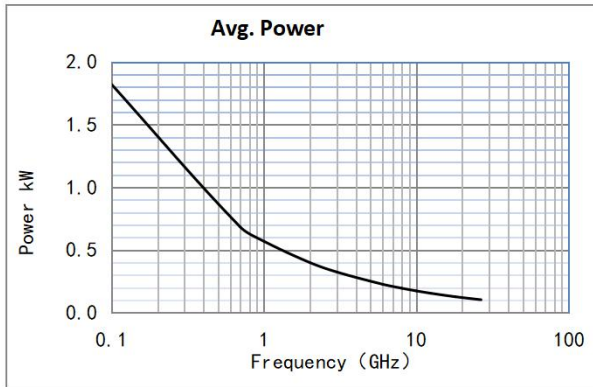
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.02	±0.02	Silver Plated Copper
2	Dielectric	3.05	±0.05	LD PTFE
3	Outer conductor	3.25	±0.05	Silver Plated Copper Ribbon
4	Innerlayer	3.43	±0.05	Aluminum Laminate
5	Outer shield	3.85	±0.05	Silver Plated Copper
6	Jacket	4.50	±0.15	Blue FEP

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	20
Bend Radius:repeated (mm)	46
Weight (g/m)	50
Temp, Operating&Installation (°C)	-55~200
Temp, Storage (°C)	-65~200

Electrical Specifications

Operation Frequency (GHz)	26.5
Impedance (Ohms)	50
Velocity of Propagation	76%
Shielding Effectiveness (dB)	100
Voltage Withstand (V,DC)	1000



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

Frequency MHz	100	700	1000	2000	3000	6000	8000	10000	12400	18000	26500
dB/100 m	11.1	29.5	35.4	50.4	62.0	88.8	103.2	116.0	129.9	158.3	194.9
Avg.Power kW	1.821	0.682	0.569	0.400	0.324	0.227	0.195	0.174	0.155	0.127	0.103
	K1= 1.0994853					K2= 0.0006019					

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

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