RFSD460

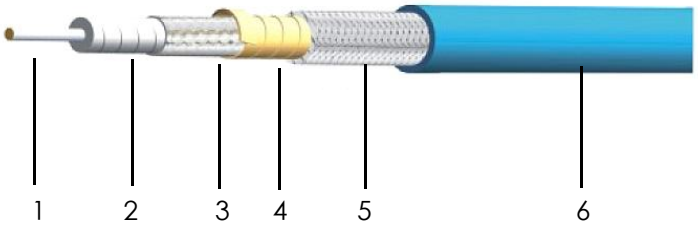
Ultra Low Loss Phase Stable Coax Cable

Ver A1 Release Date Match, 2015

P/N: 13046

Features&Benefits

- 76%Vp PTFE Tape+SPC Ribbon+Tri-shields
- Ultra-low loss, Better bending performance,Durabl
- Equivalent to SFT-142
- Replace to HP160s，UFA147A,LL160
  SUCOFLEX-102，32022



Construction Specification

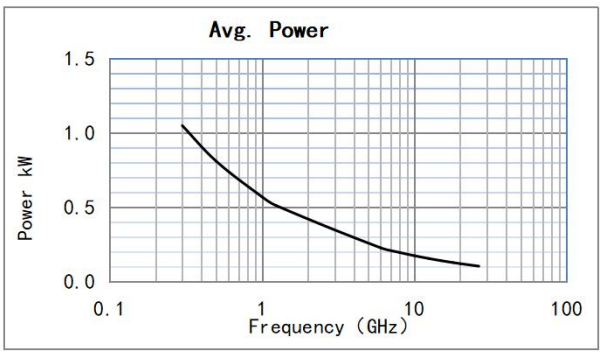
	Description	Size（mm）	Tol.	Materials
1	Center conductor	1.02	±0.02	Silver Plated Copper
2	Dielectric	3.07	±0.05	LD PTFE
3	Outer conductor	3.27	±0.05	Silver Plated Copper Foil
4	Innerlayer	3.43	±0.05	High Temperature Aluminum Tape
5	Outer sheild	3.94	±0.10	Silver Plated Copper
6	Jacket	4.60	±0.10	FEP Blue or customize

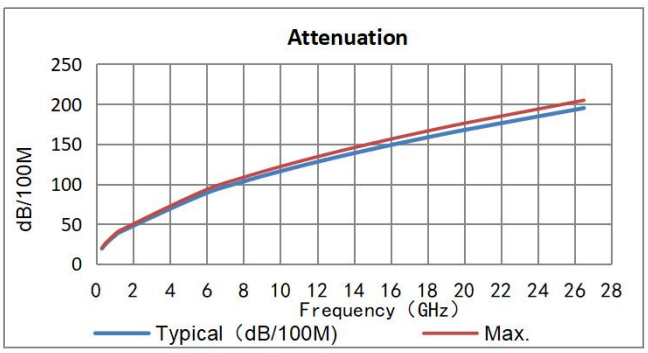
Mechanical&Environmental Specifications

Bend Radious:installation (mm)	18.4
Bend Radious:repeated (mm)	46
Weight (g/m)	50
Temp, Operating&Installation (ºC)	-55～165
Cuttoff Frequency(GHz)	35

Electrical Specifications

Operation Frequency (GHz)	26.5
Impedance (Ohms)	50
Velocity of Propagation	76%
Sheilding Effectiveness (dB)	≥90
Voltage Withstand (V,DC)	1000





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

Frequency MHz	300	500	1000	1240	6000	8000	10000	12400	15000	18000	20000	26500
dB/100 m	19.2	24.9	35.4	39.5	88.8	103.2	116.0	129.9	143.7	158.3	167.5	194.9
Avg.Power kW	1.047	0.809	0.569	0.510	0.227	0.195	0.174	0.155	0.140	0.127	0.120	0.103

K1= 1.0994853 K2= 0.0006019

Calculate Attenuation= K1* √ FMhz+K2*FMHz Maximum attenuation is 10% higher.

Defined by：Luke

Prepared by: Eric

Approved by：K.F. Lu

Rev: A/0

Shenzhen RFcoms Technology Co.,LTD

Website：www.rfcoms.com

Tell：+86 13480725660 Fax:+86-755-28908582

Email：luke@rfcoms.com