RFSB800

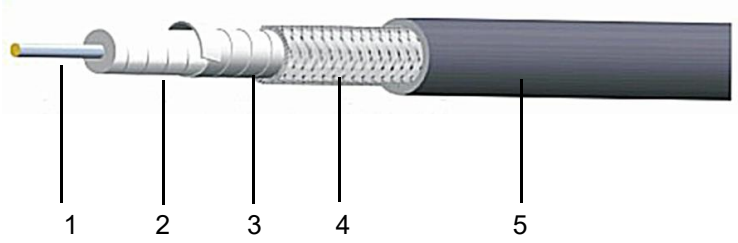
Ultra Low Loss Ultra Flexible Phase Stable Coax Cable

Ver A1 Release Date Match, 2018

P/N: 11080

Features&Benefits

- 83%Vp PTFE Tape+SPC Foil
- Ultra-low loss, excellent temperature phase
- Equivalent to UFB311A
- Replace to CNX3450,HF290,IW2801 LA290,LLS290



Construction Specification

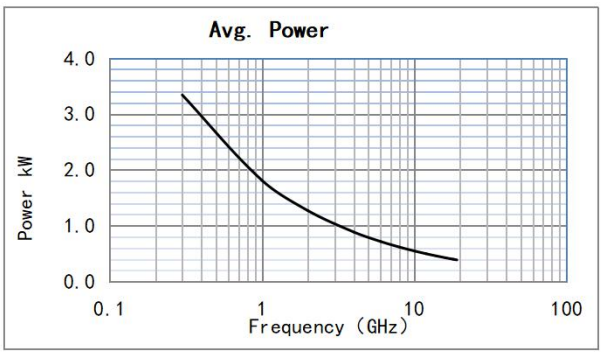
	Description	Size（mm）	Tol.	Materials
1	Center conductor	2.30	±0.03	Stranded Silver Plated Copper
2	Dielectric	6.22	±0.05	LD PTFE
3	Outer conductor	6.55	±0.05	Silver Plated Copper Foil
4	Outer sheild	7.10	±0.10	Silver Plated Copper
5	Jacket	7.60	±0.15	FEP Blue or customized

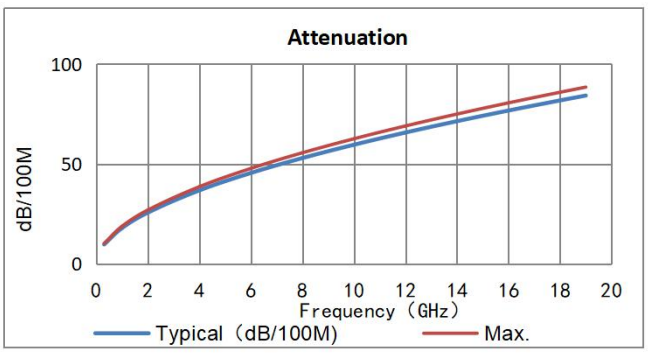
Mechanical&Environmental Specifications

Bend Radious:installation (mm)	30
Bend Radious:repeated (mm)	60
Weight (g/m)	133
Temp, Operating&Installation (ºC)	-55～165
Temp, Storage (ºC)	19

Electrical Specifications

Operation Frequency (GHz)	18	Bending phase	±5°@18GHz
Impedance (Ohms)	50	Temp. phase	600PPM (-55~85)
Velocity of Propagation	83%	Mech. phase	±0.1 @18GHz
Sheilding Effectiveness (dB)	≥90		
Voltage Withstand (V,DC)	2000		





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

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	16000	18000	19000
dB/100 m	9.8	18.0	25.7	36.8	45.5	53.0	59.6	65.7	71.4	76.7	81.8	84.2
Avg.Power kW	3.341	1.812	1.270	0.887	0.717	0.616	0.548	0.497	0.457	0.426	0.399	0.388

K1= 0.5576560 K2= 0.0003882

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