

# RFSK460

Ultra Low Loss Phase Stable Coax Cable

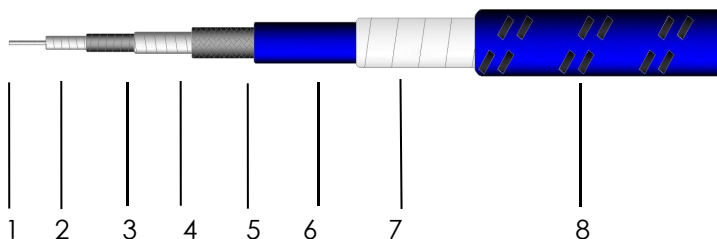
Ver A1 Release Date Match, 2015



P/N: 20046

## Features&Benefits

- 76%Vp PTFE Tape+SPC Ribbon+Tri-shields
- Ultra-low loss, Better bending performance,Durable
- Equivalent to
- Replace to



## Construction Specification

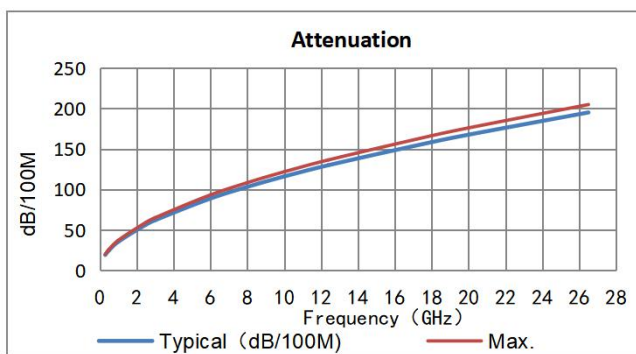
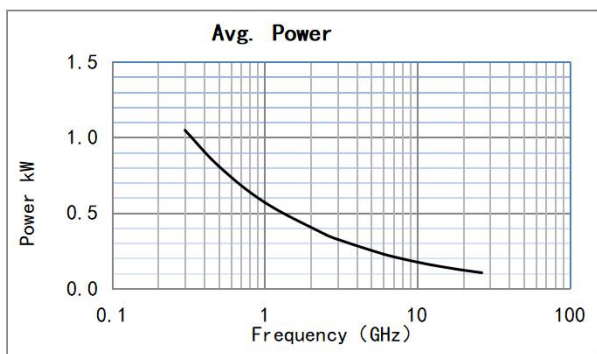
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.02	±0.02	Silver Plated Copper
2	Dielectric	2.97	±0.05	LD PTFE
3	Outer conductor	3.15	±0.05	Silver Plated Copper Foil
4	Innerlayer	3.25	±0.15	High Temperature Aluminum Tape
5	Outer shield	3.65	±0.10	Silver Plated Copper
6	Jacket	4.50	±0.10	FEP Blue or customize
7	Waterproof layer	4.60	±0.15	Waterproof layer
8	Jacket	5.10	±0.15	PTFE jacket

## Mechanical&Environmental Specifications

Bend Radius:installation (mm)	25
Bend Radius:repeated (mm)	50
Weight (g/m)	65
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	36

## Electrical Specifications

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



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

Frequency MHz	300	500	1000	2500	3000	6000	8000	10000	12400	18000	20000	26500
dB/100 m	19.2	24.9	35.4	56.5	62.0	88.8	103.2	116.0	129.9	158.3	167.5	194.9
Avg.Power kW	1.047	0.809	0.569	0.356	0.324	0.227	0.195	0.174	0.155	0.127	0.120	0.103
K1=	1.0994853					K2=	0.0006019					

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

Maximum attenuation is 10% higher.

Defined by: Luke

Shenzhen RFcoms Technology Co.,LTD

Prepared by: Eric

Website: www.rfcoms.com

Approved by: K.F. Lu

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

Rev: A/0

Email: luke@rfcoms.com

The rights of technical information provided on this sheet belongs to RFcoms. Contents cannot be distributed to other

third-party companies without permission.The specifications are subjected to change without prior notice