

# RFSC460

Ultra Low Loss Phase Stable Coax Cable

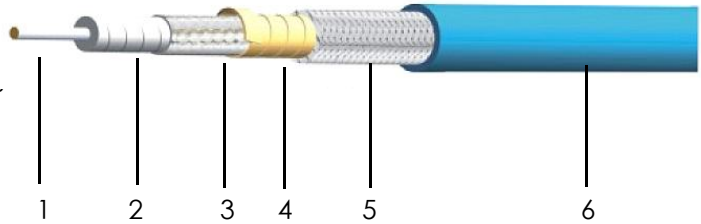
Ver A1 Release Date Match, 2015



P/N: 12046

## Features&Benefits

- 77%Vp PTFE Tape+SPC Ribbon+Tri-shields
- Ultra-low loss, Better bending performance,Durabl
- Equivalent to
- Replace to



## Construction Specification

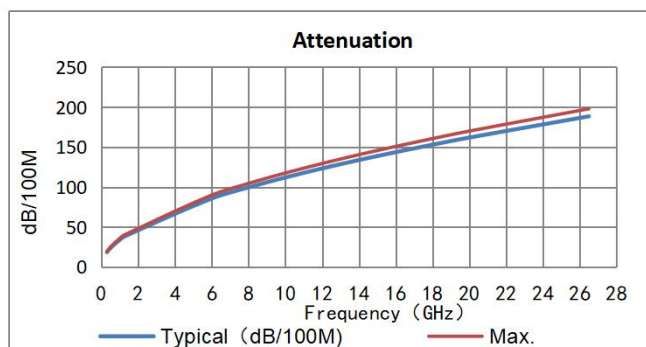
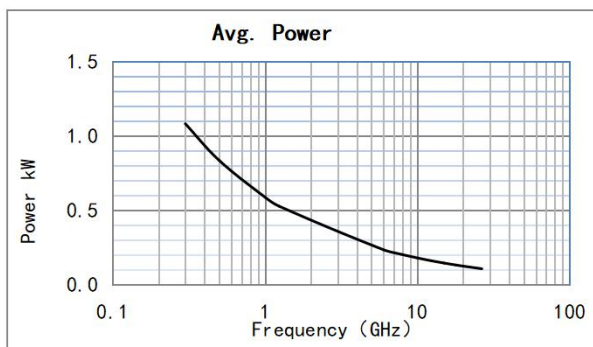
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.02	±0.02	Silver Plated Copper
2	Dielectric	3.05	±0.05	LD PTFE
3	Outer conductor	3.25	±0.05	Silver Plated Copper Foil
4	Innerlayer	3.50	±0.05	PTFE
5	Outer shield	3.90	±0.10	Silver Plated Copper
6	Jacket	4.50	±0.10	FEP Blue or customize

## Mechanical&Environmental Specifications

Bend Radius:installation (mm)	23
Bend Radius:repeated (mm)	45
Weight (g/m)	53
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	35

## Electrical Specifications

Operation Frequency (GHz)	26.5
Impedance (Ohms)	50
Velocity of Propagation	77%
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	1240	6000	8000	10000	12400	15000	18000	20000	26500
dB/100 m	18.5	24.0	34.1	38.0	85.6	99.5	111.9	125.4	138.7	152.9	161.8	188.4
Avg.Power kW	1.080	0.834	0.587	0.526	0.233	0.201	0.179	0.159	0.144	0.131	0.124	0.106
K1=	1.0578800					K2=	0.0006110					

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

Maximum attenuation is 10% higher.

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