

RFSS405

Ultra Low Loss Phase Stable Coax Cable

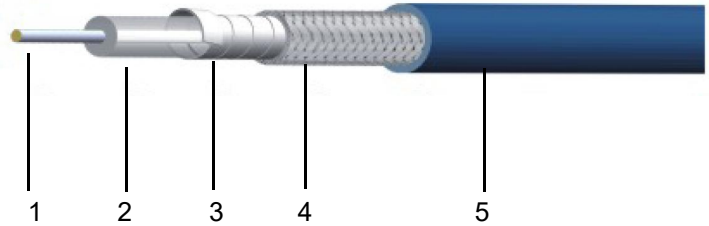
Ver A1 Release Date Match, 2018



P/N: 7405

Features&Benefits

- 70%Vp PTFE Tape+SPC Foil
- Multi-layer protection, excellent stability
- Equivalent to TFlex-405, SS405
MultiFlex_86, MultiBend_86



Construction Specification

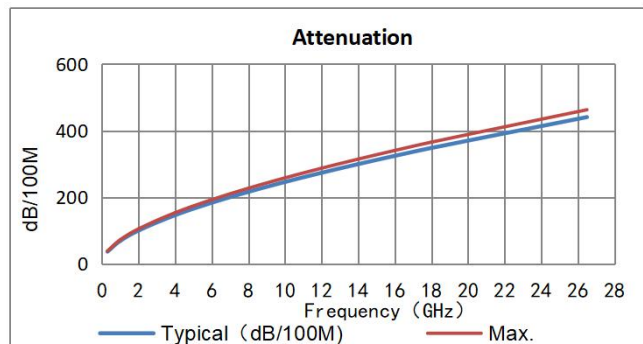
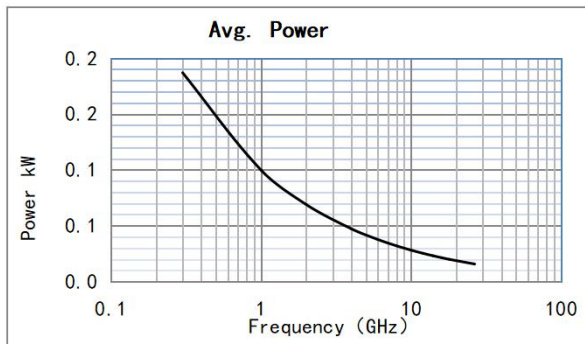
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.51	±0.02	Silver Plated Copper
2	Dielectric	1.63	±0.05	Extruded PTFE
3	Outer conductor	1.79	±0.05	Silver Plated Copper Foil
4	Outer shield	2.16	±0.10	Silver Plated Copper
5	Jacket	2.65	±0.10	FEP Blue or customize
		2.90	±0.10	PUR Blue or customize

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	14
Bend Radius:repeated (mm)	28
Weight (g/m)	22
Temp, Operating&Installation (°C)	-55~165
Temp, Storage (°C)	-65~165

Electrical Specifications

Operation Frequency (GHz)	26.5	Bending phase	±5°@26.5GHz
Impedance (Ohms)	50	Mech. phase	±0.2dB @26.5GHz
Velocity of Propagation(%)	70		
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	1000	2000	4000	6000	8000	10000	12000	14000	16000	18000	26500
dB/100 m	37.0	69.3	100.3	146.5	183.7	216.4	246.1	273.7	299.7	324.4	348.2	440.8
Avg.Power kW	0.187	0.100	0.069	0.047	0.038	0.032	0.028	0.025	0.023	0.021	0.020	0.016

K1= 2.0669291

K2= 0.0039370

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

Maximum attenuation is 10% higher.

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