

RFSS405P

Ultra Low Loss Phase Stable Coax Cable

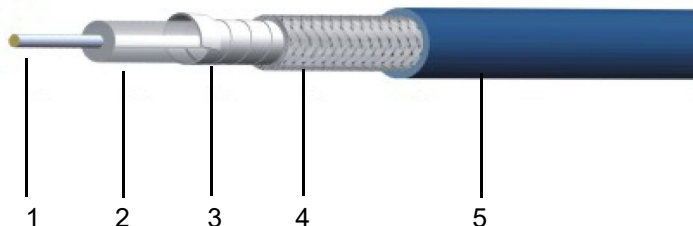
Ver A1 Release Date Match, 2018



P/N: 7405P

Features&Benefits

- 70%Vp PTFE+SPC Foil+SPC shield
- Multi-layer protection, excellent stability
- Equivalent to TFlex-405, SS405,SFL405
MultiFlex_86, MultiBend_86



Construction Specification

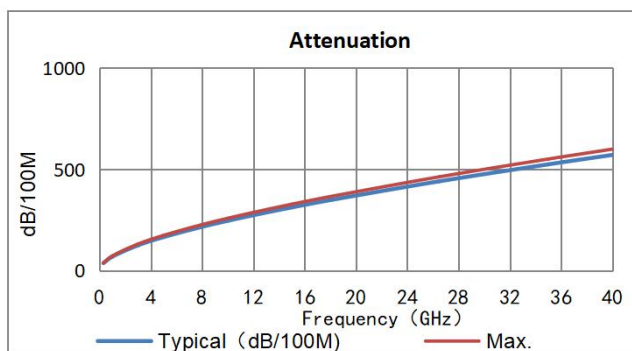
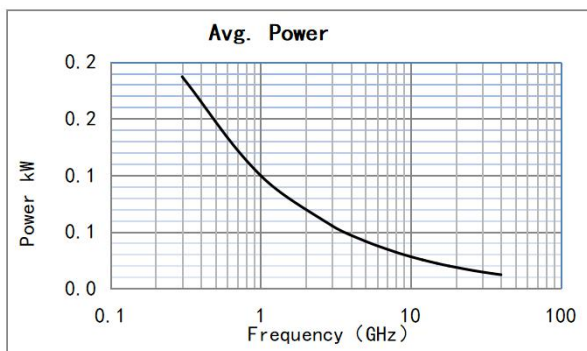
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.51	±0.02	Silver Plated Copper
2	Dielectric	1.63	±0.05	Extruded PTFE
3	Outer conductor	1.79	±0.05	Silver Plated Copper Foil
4	Outer shield	2.16	±0.10	Silver Plated Copper
5	Jacket	2.90	±0.10	PUR Blue or customize

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	3000	5000	8000	10000	12000	15000	18000	26500	35000	40000
dB/100 m	37.0	69.3	125.0	165.8	216.4	246.1	273.7	312.2	348.2	440.8	524.5	570.9
Avg.Power kW	0.187	0.100	0.055	0.042	0.032	0.028	0.025	0.022	0.020	0.016	0.013	0.012
K1=	2.0669291					K2=	0.0039370					

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

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

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