RFSS401

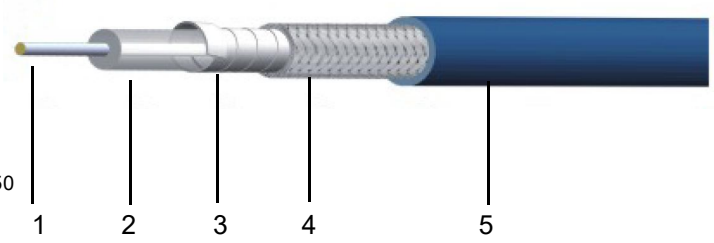
Ultra Low Loss Phase Stable Coax Cable

Ver A1 Release Date Match, 2018

P/N: 7401

Features&Benefits

- 70%Vp PTFE Tape+SPC Foil
- Multi-layer protection, excellent stability
- Equivalent to TFlex-401，SS401
  MultiFlex_250，MultiBend_250



Construction Specification

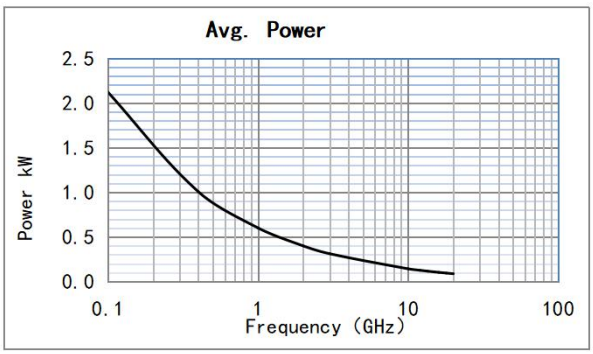
	Description	Size（mm）	Tol.	Materials
1	Center conductor	1.63	±0.02	Silver Plated Copper
2	Dielectric	5.27	±0.05	Extruded PTFE
3	Outer conductor	5.51	±0.05	Silver Plated Copper Foil
4	Outer sheild	6.25	±0.10	Silver Plated Copper
5	Jacket	6.85	±0.10	FEP Blue or customize
		0.00	0	PUR Blue or customize

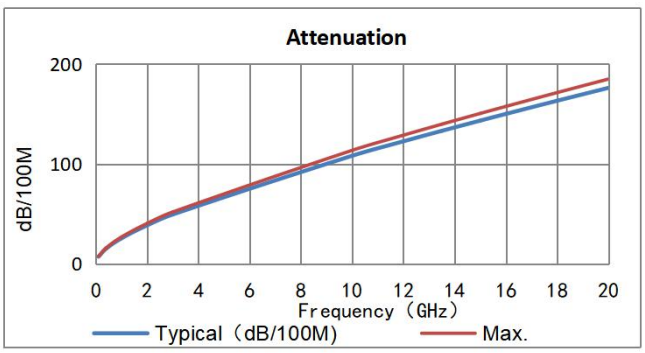
Mechanical&Environmental Specifications

Bend Radious:installation (mm)	35
Bend Radious:repeated (mm)	69
Weight (g/m)	130
Temp, Operating&Installation (ºC)	-55～165
Temp, Storage (ºC)	-65～165

Electrical Specifications

Operation Frequency (GHz)	20.0
Impedance (Ohms)	50
Velocity of Propagation(%)	70
Sheilding Effectiveness (dB)	≥90
Voltage Withstand (V,DC)	1000





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

Frequency MHz	100	400	1000	2000	3000	10000	12000	13500	15000	16000	18000	20000
dB/100 m	7.3	15.4	25.7	38.7	49.5	108.3	122.7	133.2	143.4	150.1	163.3	176.2
Avg.Power kW	2.119	1.005	0.600	0.399	0.311	0.143	0.126	0.116	0.108	0.103	0.095	0.088

K1= 0.6889764 K2= 0.0039370

Calculate Attenuation= K1* √ FMhz+K2*FMHz Maximum attenuation is 10% higher.

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