RFSS402D

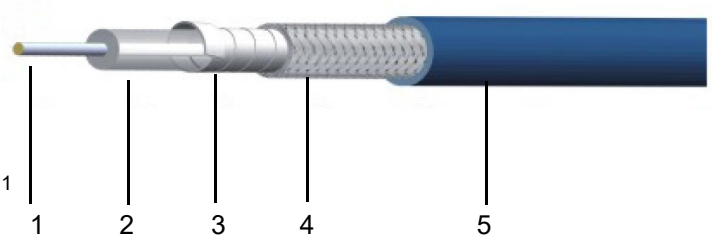
Ultra Low Loss Phase Stable Coax Cable

Ver A1 Release Date Match, 2018

P/N: 7402D

Features&Benefits

- 70%Vp PTFE Tape+SPC Foil
- Multi-layer protection, excellent stability
- Equivalent to TFlex-402，SS402
  MultiFlex_141，MultiBend_141



Construction Specification

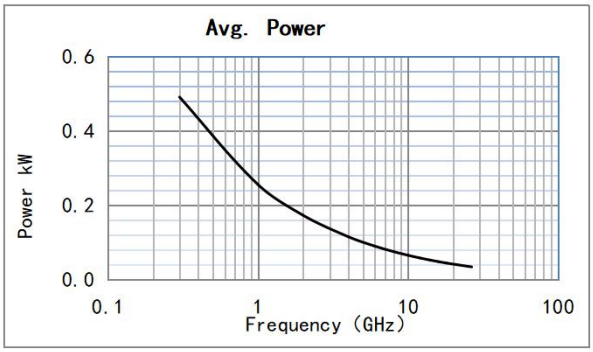
	Description	Size（mm）	Tol.	Materials
1	Center conductor	1.02(19*0.203)	±0.02	Silver Plated Copper
2	Dielectric	3.00	±0.05	Extruded PTFE
3	Outer conductor	3.20	±0.05	Silver Plated Copper Foil
4	Outer sheild	3.55	±0.10	Silver Plated Copper
5	Jacket	4.60	±0.10	PUR Blue or customize

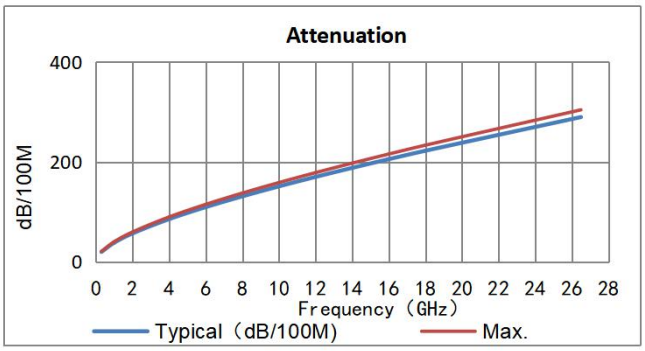
Mechanical&Environmental Specifications

Bend Radious:installation (mm)	20
Bend Radious:repeated (mm)	40
Weight (g/m)	45
Temp, Operating&Installation (ºC)	-55～165
Temp, Storage (ºC)	-65～165

Electrical Specifications

Operation Frequency (GHz)	26.5	Bending phase ±8°@26.5GHz
Impedance (Ohms)	50	Mech. phase±0.1dB @26.5GHz
Velocity of Propagation(%)	70	
Sheilding Effectiveness (dB)	≥90	
Voltage Withstand (V,DC)	1500	





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

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	16000	18000	26500
dB/100 m	20.1	38.6	57.1	85.8	109.8	131.3	151.3	170.2	188.3	205.7	222.5	289.9
Avg.Power kW	0.490	0.255	0.172	0.115	0.090	0.075	0.065	0.058	0.052	0.048	0.044	0.034

K1= 1.0865000 K2= 0.0042651

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

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