

FSC-280

P/N 9701

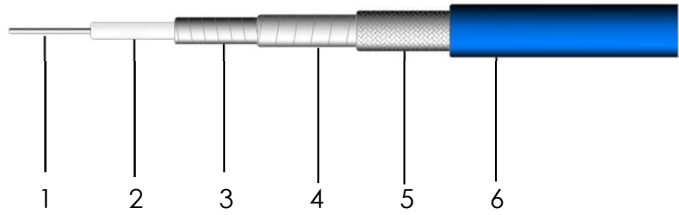


High Performance Low Loss Coax Cable

Ver B Release Date May, 2017

Features&Benefits

- Solid PTFE Tape+SPC Foil
- Better Performance while bending
- Equivalent to Tflex-405,SS405
- Replace to MultiFlex_86,MultiBend_86



Construction Specification

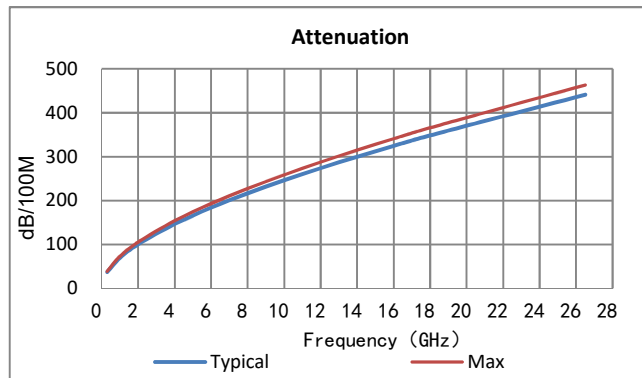
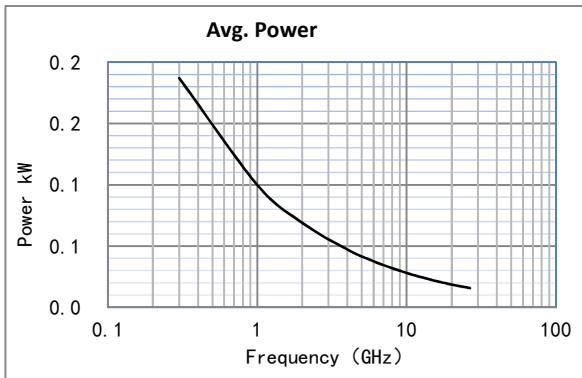
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.51	±0.02	Silver Plated Copper Clad Steel
2	Dielectric	1.63	±0.05	Solid PTFE
3	Outer conductor	1.85	±0.05	Silver Plated Copper Foil
4	Protective layer	1.90	±0.07	PET
5	Outer shield	2.25	±0.10	Silver Plated Copper
6	Jacket	2.80	±0.10	Blue FEP

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	14
Bend Radius:repeated (mm)	28
Weight (g/m)	22
Temp. Operating&Installation (°C)	-55 ~ 125
Temp. Storage (°C)	-65 ~ 125

Electrical Specifications

Operation Frequency (GHz)	26.5
Impedance (Ohms)	50
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	36.98	69.30	100.31	146.47	183.73	216.37	246.06	273.66	299.68	324.44	348.17	440.80
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						

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

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