

FSC-280

P/N 9701

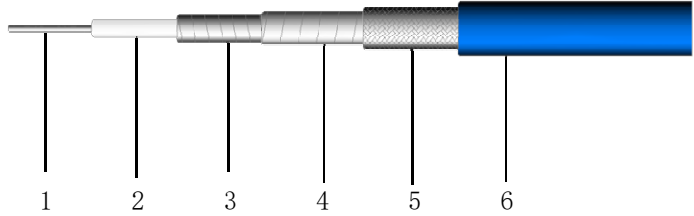


High Performance Low Loss Coax Cable

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

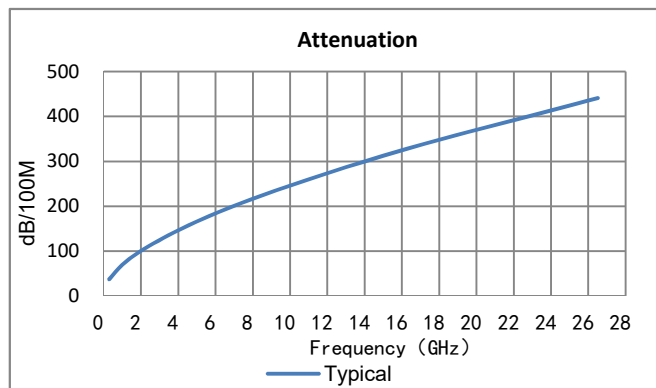
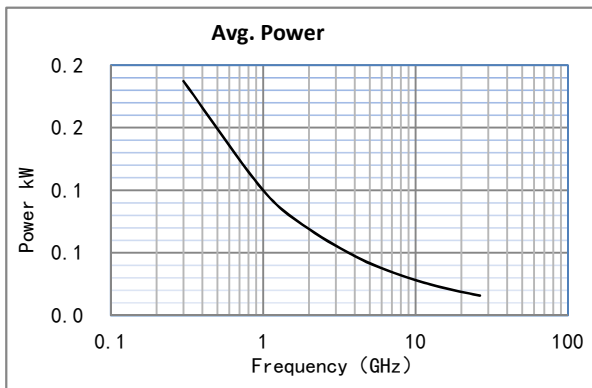
	Description	Size (mm)	Materials
1	Center conductor	0.51	Silver Plated Copper
2	Dielectric	1.63	LD PTFE
3	Outer conductor	1.85	Silver Plated Copper Foil
4	Protective layer	1.90	PET
5	Outer shield	2.25	Silver Plated Copper
6	Jacket	2.80	Blue FEP

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	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						

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

PROPRIETARY INFORMATION: THE INFORMATION IN THIS DRAWING IS PROPRIETARY AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN PERMISSION FROM MICROWAVETOWN

Microwave Town Company LLC.
Website: www.microwavetown.com