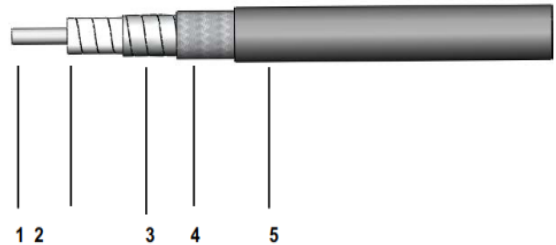


Features & Benefits

- 82%Vp PTFE Tape+ SPC Foil
- Multi-layer protection, excellent stability
- Ultra Low Loss, Excellent Temp Phase Stable



Construction Description:

	Description	Size (mm)	Materials
1	Center conductor	3.83	Silver Plated Copper
2	Dielectric	3.95	LD PTFE
3	Outer conductor	10.86	Silver Plated Copper Foil
4	Outer shield	11.36	Silver Plated Copper
5	Jacket	12.01	FEP

Mechanical&Environmental Specifications

Bend Radius: installation	60.00 (mm)
Bend Radius: repeated	120.10 (mm)
Weight	280 (g/m)
Temp, Operating & Installation	-55~+165 (°C)

Electrical Specifications

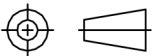
Operation Frequency	10 (GHz)
Cutoff frequency	12 (GHz)
Impedance	50 (Ohms)
Velocity of Propagation	83%
Shielding Effectiveness	90 (dB)
Voltage Withstand (V,DC)	5000
Mechanical (phase@18GHz)	5°
Amplitude Stability	≤±0.05 (dB)

Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)											
Frequency MHz	100	300	500	1000	2400	3000	4000	6000	8000	8500	10000
dB/100 m	3.04	5.32	6.93	9.95	15.85	17.88	20.92	26.18	30.78	31.86	34.95
Avg. Power (kW)	9.980	5.692	4.372	3.045	1.912	1.695	1.448	1.157	0.984	0.951	0.867

$$K1= 0.298515$$

$$K2= 0.000510$$

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

Tolerances .X ±0.2 .XX ±0.1 .XXX ±0.05	Scale	Abbr.	Rev.	
	NTS	ST	B	
PAGE 1 of 1	All Dimensions in mm (Unless Otherwise Specified)			Date 2021/09/18
				