



### Features

- Low Loss
- High Power
- Light Weight

### Applications

- Phased Array Radar
- Aviation Electronics
- Electronic Confrontation

Electrical Specifications	
Frequency	DC to 18 GHz
Cutoff Frequency	18 GHz
Impedance	50 $\Omega$
Velocity of Propagation	83 %
Shielding Effectiveness	90 dB Min.
Voltage Power	2500 V,DC

Mechanical & Environmental Specifications	
Static Bend Radius	38 mm
Dynamic Bend Radius	76 mm
Weight	0.12 Kg/m
Installation&Operating Temperature	-55°C~+165°C

Cable Construction Specifications			
	Description	Dimensions (mm)	Material
1	Inner Conductor	2.39	Solid SPC
2	Dielectric	6.25	LD-PTFE
3	Outer Conductor	6.49	SPC Strip
4	Outer Shield	7.06	SPC Braid
5	Jacket	7.65	Grey PFA or Custom

Attenuation & Power vs Frequency *						
Frequency (MHz)	1000	3000	8000	12400	16000	18000
Attenuation(dB/100m)	16.71	29.35	48.92	61.68	70.68	75.30
Avg.Power (kW)	1.604	0.913	0.548	0.435	0.379	0.356
K1=0.5183		K2=0.00032		Calculation = $K1 \cdot \sqrt{FMHz} + K2 \cdot FMHz$		
* Attenuation (Typical value @ +25°C&VSWR=1.0) Power (Typical value@ +40°C& atmospheric pressure)						

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