



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 Ω
Velocity of Propagation	83 %
Shielding Effectiveness	90 dB Min.
Voltage Power	2500 V,DC

Mechanical & Environmental Specifications	
Static Bend Radius	39 mm
Dynamic Bend Radius	79 mm
Weight	0.13 Kg/m
Installation&Operating Temperature	-55°C~+165°C

Cable Construction Specifications			
	Description	Dimensions (mm)	Material
1	Inner Conductor	2.3	Solid SPC
2	Dielectric	6.2	LD-PTFE
3	Outer Conductor	6.44	SPC Strip
4	Outer Shield	7.05	SPC Braid
5	Jacket	7.9	Grey PFA or Custom

Attenuation & Power vs Frequency*						
Frequency (MHz)	1000	3000	8000	12400	16000	18000
Attenuation(dB/100m)	14.75	25.95	43.37	54.78	62.84	66.98
Avg.Power (kW)	1.812	1.030	0.616	0.488	0.425	0.399
K1=0.4563		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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