



Features

- Low Loss
- High Power
- Light Weight

Applications

- Phased Array Radar
- Aviation Electronics
- Electronic Confrontation

Electrical Specifications	
Frequency	DC to 40 GHz
Cutoff Frequency	46 GHz
Impedance	50 Ω
Velocity of Propagation	82 %
Shielding Effectiveness	90 dB Min.
Voltage Power	500 V,DC

Mechanical & Environmental Specifications	
Static Bend Radius	18 mm
Dynamic Bend Radius	36 mm
Weight	0.033 Kg/m
Installation&Operating Temperature	-55°C~+165°C

Cable Construction Specifications			
	Description	Dimensions (mm)	Material
1	Inner Conductor	0.91	Solid SPC
2	Dielectric	2.5	LD-PTFE
3	Outer Conductor	2.66	SPC Strip
4	Outer Shield	3.11	SPC Braid
5	Jacket	3.6	Grey PFA or Custom

Attenuation & Power vs Frequency*						
Frequency (MHz)	1000	3000	8000	12400	26500	40000
Attenuation(dB/100m)	37.50	65.65	108.91	136.94	204.79	255.69
Avg.Power (kW)	0.509	0.291	0.175	0.139	0.093	0.075
K1=1.16847		K2=0.00055		Calculation = K1* √ FMHz+K2*FMHz		
* Attenuation (Typical value @ +25°C&VSWR=1.0)			Power (Typical value@ +40°C& atmospheric pressure)			

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