



Features

- Low Loss
- High Power
- Light Weight

Applications

- Phased Array Radar
- Aviation Electronics
- Electronic Confrontation

Electrical Specifications	
Frequency	DC to 26.5 GHz
Cutoff Frequency	29 GHz
Impedance	50 Ω
Velocity of Propagation	83 %
Shielding Effectiveness	90 dB Min.
Voltage Power	1500 V,DC

Mechanical & Environmental Specifications

Static Bend Radius	26 mm
Dynamic Bend Radius	52 mm
Weight	0.06 Kg/m
Installation&Operating Temperature	-55°C~+165°C

Cable Construction Specifications

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.45	Solid SPC
2	Dielectric	3.99	LD-PTFE
3	Outer Conductor	4.19	SPC Strip
4	Outer Shield	4.6	SPC Braid
5	Jacket	5.2	Grey PFA or Custom

Attenuation & Power vs Frequency*

Frequency (MHz)	1000	3000	8000	12400	18000	26500
Attenuation(dB/100m)	23.41	40.97	67.92	85.36	103.84	127.53
Avg.Power (kW)	0.919	0.525	0.317	0.252	0.207	0.169

K1=0.73

K2=0.000328

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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