



**Features**

- Low Loss
- Low VSWR
- Bending, Shake, Torsion & Pull Resistance

**Applications**

- Phased Array Radar
- Aviation Electronics
- Electronic Confrontation

Electrical Specifications	
Frequency	DC to 40 GHz
Cutoff Frequency	41 GHz
Impedance	50 Ω
Velocity of Propagation	81 %
Shielding Effectiveness	90 dB Min.
Voltage Power	500 V,DC

Mechanical & Environmental Specifications	
Static Bend Radius	21 mm
Dynamic Bend Radius	42 mm
Weight	0.04 Kg/m
Installation&Operating Temperature	-55°C~+165°C

Cable Construction Specifications			
	Description	Dimensions (mm)	Material
1	Inner Conductor	1.02	Solid SPC
2	Dielectric	2.8	LD-PTFE
3	Inner Shield	2.95	SPC Strip
4	Interlayer	3.2	LD-PTFE
5	Outer Shield	3.62	SPC Braid
6	Jacket	4.2	Blue FEP

Attenuation & Power vs Frequency *						
Frequency (MHz)	1000	6000	10000	18000	26500	40000
Attenuation(dB/100m)	40.53	100.84	131.18	178.01	218.04	271.16
Avg.Power (kW)	0.57	0.23	0.18	0.13	0.11	0.08
K1=1.2677953		K2=0.00044		Calculation = K1* √ FMHz+K2*FMHz		
* Attenuation (Typical value @ +25°C&VSWR=1.0) Power (Typical value@ +40°C& atmospheric pressure)						

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