



Features

- Low Loss
- Phase & Amplitude Stable
- Light Weight

Applications

- Phased Array Radar
- Aviation Electronics
- Electronic Confrontation

Electrical Specifications	
Frequency	DC to 110 GHz
Cutoff Frequency	128 GHz
Impedance	50 Ω
Velocity of Propagation	80 %
Shielding Effectiveness	90 dB Min.
Voltage Power	400 V,DC

Mechanical & Environmental Specifications	
Static Bend Radius	8 mm
Dynamic Bend Radius	15 mm
Weight	0.0054 Kg/m
Installation&Operating Temperature	-55°C~+125°C

Cable Construction Specifications			
	Description	Dimensions (mm)	Material
1	Inner Conductor	0.3	Solid SPC
2	Dielectric	0.88	LD-PTFE
3	Outer Conductor	1	SPC Strip
4	Outer Shield	1.23	SPC Braid
5	Jacket	1.5	Grey PFA or Custom

Attenuation & Power vs Frequency*						
Frequency (MHz)	1000	3000	8000	12400	26500	40000
Attenuation(dB/100m)	113.7	198.5	328	411.3	611.5	760.4
Avg.Power (kW)	0.097	0.056	0.034	0.027	0.018	0.015
K1=3.557846		K2=0.001221		Calculation = K1* √ FMHz+K2*FMHz		
* Attenuation (Typical value @ +25°C&VSWR=1.0) Power (Typical value@ +40°C& atmospheric pressure)						

Yach reserves the right to change this datasheet without notice!