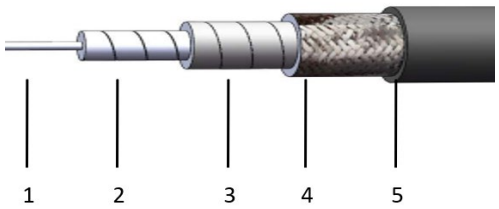

Features

- Low Loss
- High Power
- Light Weight

Applications

- Phased Array Radar
- Aviation Electronics
- Electronic Confrontation

Electrical Specifications	
Frequency	DC to 18 GHz
Cutoff Frequency	20 GHz
Impedance	50 Ω
Velocity of Propagation	83 %
Shielding Effectiveness	90 dB Min.
Voltage Power	2500 V,DC

Mechanical & Environmental Specifications	
Static Bend Radius	37 mm
Dynamic Bend Radius	74 mm
Weight	0.116 Kg/m
Installation&Operating Temperature	-55°C~+165°C

Cable Construction Specifications

	Description	Dimensions (mm)	Material
1	Inner Conductor	2.1	Solid SPC
2	Dielectric	5.7	LD-PTFE
3	Outer Conductor	5.95	SPC Strip
4	Outer Shield	6.6	SPC Braid
3	Jacket	7.4	Grey PFA or Custom

Attenuation & Power vs Frequency*

Frequency (MHz)	1000	3000	8000	12400	16000	18000
Attenuation(dB/100m)	16.75	29.14	47.90	59.89	68.23	72.48
Avg.Power (kW)	1.740	1.000	0.608	0.487	0.427	0.402

K1=0.5262794 K2=0.000104 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!