



LOW LOSS COAXIAL CABLE	5003		
DIMENSIONS			
Center Conductor Diameter			
(inch)	0.037		
(mm)	0.94		
Dielectric Diameter			
(inch)	0.117		
(mm)	2.96		
Diameter Over Foil			
(inch)	0.124		
(mm)	3.14		
Diameter over Braid			
(inch)	0.136		
(mm)	3.46		
Jacket Diameter			
(inch)	0.163		
(mm)	4.14		
MATERIAL SPECIFICATIONS			
Jacket	FEP		
Braid	Round silver plated copper		
Foil	Flat silver plated copper foil		
Dielectric	Solid PTFE		
Center Conductor	Solid SPC		
ELECTRICAL CHARACTERISTICS			
Impedance	50±2		
Capacitance (Nominal)			
(pF/ft)	29.4		
(pF/m)	96.4		
Velocity of Propagation (%)	70		
Cutt Off Frequency (GHz)	40		
Shielding Effectiveness	> -110dB		
Max. Attenuation (dB/100Ft)	Attenuation		Power
Max Power (Watts)	dB/100Ft	dB/100M	
400MHz	8	26.24	1100
1GHz	13	42.6	550
3GHz	23	75.4	350
5GHz	30	98.4	245
10GHz	45	147.6	140
18GHz	64	209.9	87
25GHz	78	255.8	75
30GHz	87	285.4	68
35GHz	96	314.9	61
40GHz	104	341.1	56
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	-55/ +200		
Min. Bend Radius	Static		Dynamic
(inch)	0.4		1.57
(mm)	10		40
Weight			
(g/Ft)	13.5		
(g/M)	44.3		

This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.