



LOW LOSS COAXIAL CABLE	5003LD		
DIMENSIONS			
Center Conductor Diameter (inch)	0.04		
(mm)	1.02		
Dielectric Diameter (inch)	0.116		
(mm)	2.95		
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	LD PTFE		
Center Conductor	Solid SPC		
ELECTRICAL CHARACTERISTICS			
Impedance	50±2		
Capacitance (Nominal) (pF/ft)	29.4		
(pF/m)	96.4		
Velocity of Propagation (%)	78		
Cutt Off Frequency (GHz)	40		
Shielding Effectiveness	> -110dB		
Max. Attenuation (dB/100Ft)	Attenuation		Power
Max Power (Watts)	dB/100Ft	dB/100M	
400MHz	7	23	1100
1GHz	11	36	550
3GHz	18.9	62	350
5GHz	25.3	83	245
10GHz	37.5	123	140
18GHz	51.9	170	87
25GHz	63.5	208	75
30GHz	71.4	234	68
35GHz	78.4	257	61
40GHz	87.8	288	56
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	-55/ +200		
Min. Bend Radius	Static		Dynamic
(inch)	0.48		1.57
(mm)	12		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.