

LOW LOSS COAXIAL CABLE		5003	
<b>DIMENSIONS</b>			
Center Conductor Diameter			
(inch)		0.037 ±0.001	
(mm)		0.94 ± 0.0254	
Dielectric Diameter			
(inch)		0.117 ±0.005	
(mm)		2.97 ±0.127	
Inner Braid Diameter			
(inch)		0.128 ±0.005	
(mm)		3.25 ±0.127	
Diameter over Outer Braid			
(inch)		0.141 ±0.005	
(mm)		3.58±0.127	
Jacket Diameter			
(inch)		0.163 ±0.005	
(mm)		4.14 ±0.127	
<b>MATERIAL SPECIFICATIONS</b>			
Jacket		FEP	
Outer Braid		Round silver plated copper	
Inner Braid		Flat silver plated copper strip	
Dielectric		Solid PTFE	
Center Conductor		Solid silver plated copper	
<b>ELECTRICAL CHARACTERISTICS</b>			
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		Attenuation	
Max Power (Watts)		Power	
		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	
45GHz		\      \      \	
50GHz		\      \      \	
Max Phase Stability vs. Flexure*		10 GHz      ± 2°	
		18 GHz      ± 4°	
		30 GHz      ± 6°	
		40 GHz      ± 12°	
<b>MECHANICAL CHARACTERISTICS</b>			
Max. Operating Temperature (°C)		-55/+200	
Min. Bend Radius			
(inch)		0.8	
(mm)		20.32	
Weight			
(g/Ft)		13.5	
(g/M)		44.3	

\*Cable wrapped around a 5 cm diameter mandrel

**This part number complies with RoHS.**

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