

# JYEBAO

PHASE STABLE CABLE		PHASETEST2			
CONSTRUCTION		MATERIAL			
Center Conductor		Solid SPCW			
Dielectric		PTFE			
1st Foil		Flat SPC Tape			
2nd Foil		Aluminum Tape			
1st Braid		Silver Plated Copper			
Inner Jacket		FEP			
Crush Protection		Stainless Steel			
Strength Braid		Stainless Steel			
Outer Jacket		Braided PTFE(O.D. 4.9mm)			
ELECTRICAL CHARACTERISTICS					
Impedance		50±2			
Capacitance(Nominal)					
(pF/ft)		29.4			
(pF/m)		96.4			
Velocity of Propagation(%)		70			
Cutt Off Frequency(GHz)		70			
Shielding Effectiveness		≥ -110dB			
Max. Attenuation		Attenuation			
Max. Power(Watt)		dB/100Ft		dB/100M	
400MHz		14		45.9	
1GHz		23		75.4	
3GHz		39		128	
5GHz		52		170.6	
10GHz		80		262.4	
18GHz		110		361	
25GHz		131		430	
30GHz		146		479	
35GHz		160		525	
40GHz		173		567	
45GHz		183		600	
50GHz		195		640	
55GHz		212		681	
60GHz		221		724	
65GHz		234		768	
70GHz		245		803	
Operating Frequency	18GHz	26.5GHz	40GHz	50GHz	70GHz
Phase Stability v.s. Bending <sup>1</sup>	±1.0° typ/ ±1.5° max	±1.5° typ/ ±2.0° max	±2° typ/ ±3.5° max	±3° typ/ ±8° max	±5° typ/ ±10° max
Amplitude Stability v.s. Bending <sup>2</sup>	±0.015dB typ/ ±0.03dB max	±0.02dB typ/ ±0.04dB max	±0.03dB typ/ ±0.06dB max	±0.04dB typ/ ±0.08dB max	±0.05dB typ/ ±0.10dB max
MECHANICAL CHARACTERISTICS					
Max. Operating Temperature(°C)		-55/ +85			
Min. Bend Radius		Static		Dynamic	
(inch)		0.59		1.18	
(mm)		15		30	
Flex Life Cycles <sup>3</sup>		N/A		≥ 100000	
Weight					

<sup>1</sup> Per IEC 60966-1, section 8.6, method1.

<sup>2</sup> Per IEC 60966-1, section 8.4

<sup>3</sup> Per IEC 60966-1, section 9.3

**This part number complies with ROHS.**

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