

# AMCOM P3.500.JCAM

## 1) Physical Dimensions

Center Conductor:-----2.77±0.01mm Copper Clad Aluminum  
 Dielectric:-----11.43±0.05mm Foam PE  
 Shield thickness:-----0.61±0.005mm AL Tube  
 Jacket:-----14.22±0.05mm PE  
 Messenger:-----2.77±0.01mm Steel  
 Jacket:-----4.50±0.05mm PE

## 2) Mechanical Characteristics

Operating Temperature Range:-----20°C To +60°C  
 Max. Pulling Tension: -----300 lbs  
 Min. Bend Radius :-----6.0 in.  
 Mini. Breaking Strength of Messenger:---1800 lbs

## 3) Electrical Characteristics

Impedance:-----75±2 Ohm  
 Capacitance:-----50±3pF/m  
 Velocity of Propagation:---87%  
 Inner Conductor:-----1.35Ω /Mft    4.43Ω /km  
 Outer Conductor:-----0.37Ω /Mft    1.21Ω /km  
 Loop:-----1.72Ω /Mft    5.64Ω /km

## 4) Attenuation

Attenuation		[@68°F. (20°C)]	
Frequency (MHz)	Max. (dB/100 ft)	Frequency (MHz)	Max. (dB/100 ft)
5	0.16	400	1.53
30	0.38	450	1.63
55	0.54	500	1.73
83	0.66	550	1.82
211	1.09	600	1.91
250	1.20	750	2.16
300	1.31	865	2.34
350	1.43	1000	2.52

