

**P3 500M****Construction**

	<b>Material</b>	<b>Diameter (mm)</b>
Inner Conductor	CCA-Copper Clad Aluminum	<b>2.77</b>
Dielectric	Foam PE	<b>11.43</b>
First Shield	Solid Aluminum tube	0.61 (thickness)
Jacket	PE	<b>14.22</b>
Messenger	Galvanized Steel	<b>2.77</b>

**Electrical Characteristics**

Impedance ( $\Omega$ )	75 $\pm$ 3
Capacitance (pF/m)	52 $\pm$ 2
Velocity of Propagation (%)	87.0
Return Loss	
5-1000 MHz (dB)	$\geq$ 22
Screening Effectiveness	
5-1000 MHz (dB)	$\geq$ 100

**Attenuation ( @20 °C)**

Frequency(MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
5	0.16	0.52
55	0.54	1.77
83	0.66	2.17
211	1.09	3.58
250	1.20	3.94
300	1.31	4.30
350	1.43	4.69
400	1.53	5.02
500	1.73	5.68
600	1.91	6.27
750	2.16	7.09
865	2.34	7.68
1000	2.52	8.27