



Multicom Messenger Trunk Cable

Product Specifications

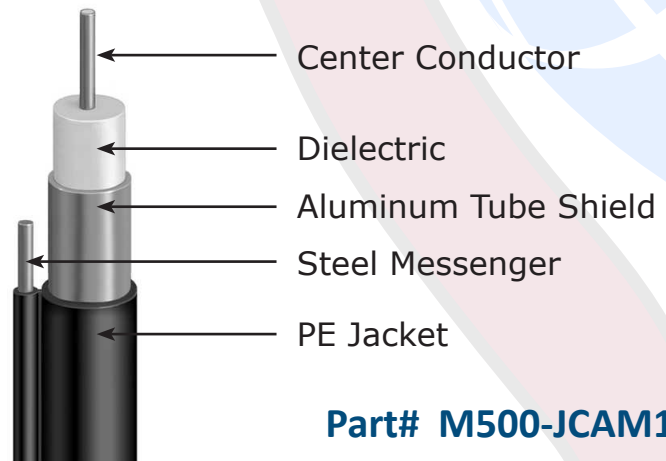
Category	Material	Diameter
Center Conductor	Copper Clad Aluminum	0.11" (2.77mm)
Dielectric	Micro-cellular foam PE	0.450" (11.43mm)
Outer Conductor	Aluminum tape welded by argon welding	0.50" (12.70mm)
Jacket	Polyethylene	0.56" (14.22mm)
Messenger	Steel Messenger	0.11" (2.77mm)
Characteristic	Specification	
Messenger Break Strength	1,800 lbs (816kgs)	
Min. Bend Radius	3.5" (89mm)	
Max. Pulling Tension	300 lbs. (136kgs)	
Nominal Impedence	75 ±2 Ohms	
Capacitance	15.3 ±1.0 pf/ft (50 ±2.0 nf/km)	
Velocity of Propagation	87% Nominal	
DC Breakdown Voltage	5.0kV	
DC Loop Resistance	1.72 Ohms/1,000 ft (5.65 Ohms/km)	

Attenuation at 68°F (20°C)

M500-JCAM109		
Frequency	db/100 Ft.	db/100 M.
5 MHz	0.16	0.52
55 MHz	0.54	1.77
83 MHz	0.66	2.17
211 MHz	1.09	3.58
250 MHz	1.20	3.94
300 MHz	1.31	4.30
350 MHz	1.43	4.69
400 MHz	1.53	5.02
450 MHz	1.63	5.35
550 MHz	1.82	5.97
600 MHz	1.91	6.27
750 MHz	2.16	7.09
865 MHz	2.34	7.68
1000 MHz	2.52	8.27



Multicom's ISO 9001 Registered Trunk Cable has specifications that exceed industry standards - with low attenuation and inherent strength. Its proven performance and reliability make it the right choice for distribution applications.



Part# M500-JCAM109

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