



Messenger Trunk Cable Extruded and Welded

Product Specifications

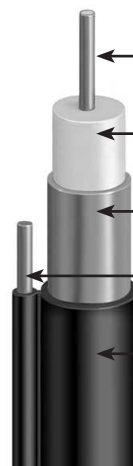
Category	Material	Diameter
Center Conductor	Copper Clad Aluminum	0.11" (2.77mm)
Dielectric	Micro-cellular foam PE	0.450" (11.43mm)
Outer Conductor	Seamless aluminum (Extruded tube)	0.025" (0.64mm)
Jacket	Polyethylene	0.57" (14.48mm)
Messenger	Steel Messenger	0.11" (2.77mm)
Characteristic	Specification	
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 and M500-JCAM109W		
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 Extruded and Welded Messenger Trunk Cable is manufactured in an ISO 9001 Certified facility and 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.



Center Conductor

Dielectric

Seamless Aluminum (Extruded tube) Shield or Argon Welded Aluminum Tube Shield (see Part#s below)

Steel Messenger

PE Jacket

Part# M500-JCAM109

Seamless Aluminum (Extruded tube) Shield

Part# M500-JCAM109W

Argon Welded Aluminum Tube Shield

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