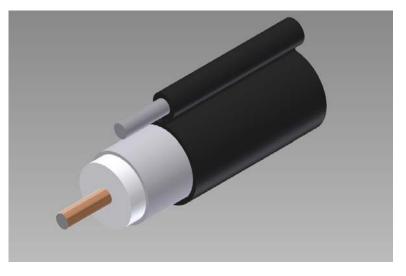


TFC Coaxial Cable Product Information Sheet Type: T10500MS / 109 MESS

500 Series Coaxial Cable

Copper Clad Aluminum Conductor Foamed Polyethylene Dielectric Seamless Aluminum Tube Outer Conductor Medium Density Polyethylene Jacket 0.109" Aluminum Clad Steel Messenger



Cable Ordering Information

Part Number	Description	NEC / CSA Listing	
750500MS00BK07000001	T10500MS / 109 MESS	n/a	
Characteristics			'
Material	Detail	inches	mm
Inner Conductor	Copper Clad Aluminum	0.109	2.77
Dielectric	Foamed Polyethylene	0.450	11.4
Outer Conductor	Seamless Aluminum Tube	0.500	12.7
Floodant			
Jacket	Polyethylene, Outdoor, Black	0.560	14.2
Messenger	Galvanized Steel	0.109	2.77
Cable Width		0.855	21.7
Mechanical Specifications			
Minimum Bend Radius, in. (mm)		3.5	(89)
Product Weight, lbs/kft (kg/km)	(less reel)	144	(214)

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.

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Electrical Specifications				
Impedance, Ω	75 ± 2			
Velocity of Propagation, %	87			
Capacitance, Nominal	15.6 pF/ft	51.2 pF/m		
DC Resistance	Ω / kft	Ω / km		
Inner Conductor	1.34	4.40		
Outer Conductor	0.36	1.18		
Loop	1.70	5.58		

Attenuation, Maximum @ 68 °F (20 °C)				
Frequency, MHz	dB / 100 ft	dB / 100 m		
5	0.16	0.52		
55	0.55	1.80		
211	1.08	3.55		
250	1.19	3.92		
270	1.24	4.07		
	1.31	4.30		
330	1.38	4.54		
350	1.43	4.69		
400	1.53	5.02		
450	1.63	5.35		
500	1.73	5.68		
550	1.82	5.97		
600	1.91	6.27		
750	2.16	7.09		
870	2.35	7.69		
1000	2.53	8.30		

Notes:

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.

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