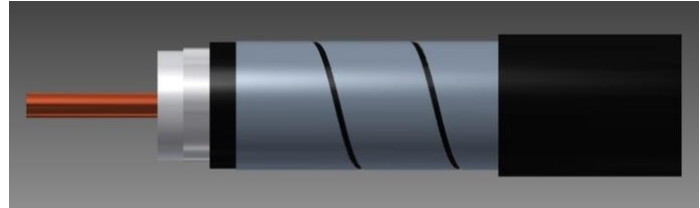


500 Series Coaxial Cable  
Copper Clad Aluminum Conductor  
Foamed Polyethylene Dielectric  
Seamless Aluminum Tube Outer Conductor  
Underground Floodant  
Medium Density Polyethylene Jacket  
Steel Armor Tape [Helically Applied]  
Underground Floodant  
Medium Density Polyethylene Jacket



**Cable Ordering Information**

Part Number	Description	NEC / CSA Listing
750500JBA0BK00100001	T10500JBA	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	Underground	---	---
Jacket (inner)	Polyethylene, Outdoor, Black	0.570	14.5
Armor	Steel Tape, Helical	0.590	15.0
Jacket (outer)	Polyethylene, Outdoor, Black	0.690	17.5

**Mechanical Specifications**

Minimum Bend Radius, in. (mm)		9.7	( 102)
Product Weight, lbs/kft (kg/km)	(less reel)	199	( 296)

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, $\Omega$	75 $\pm$ 2	
Velocity of Propagation, %	87	
Capacitance, Nominal	15.3 pF/ft	50.2 pF/m
DC Resistance	$\Omega$ / kft	$\Omega$ / km
Inner Conductor	1.34	4.40
Outer Conductor	0.36	1.18
Loop	1.70	5.58
Structural Return Loss, minimum	dB	
5~1002 MHz	30	

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
300	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
1002	2.53	8.30
1100	2.67	8.76
1200	2.80	9.19
1218	2.82	9.25
1300	2.93	9.61
1400	3.05	10.01
1500	3.17	10.40
1600	3.28	10.76
1700	3.40	11.15
1794	3.50	11.48
1800	3.51	11.52

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