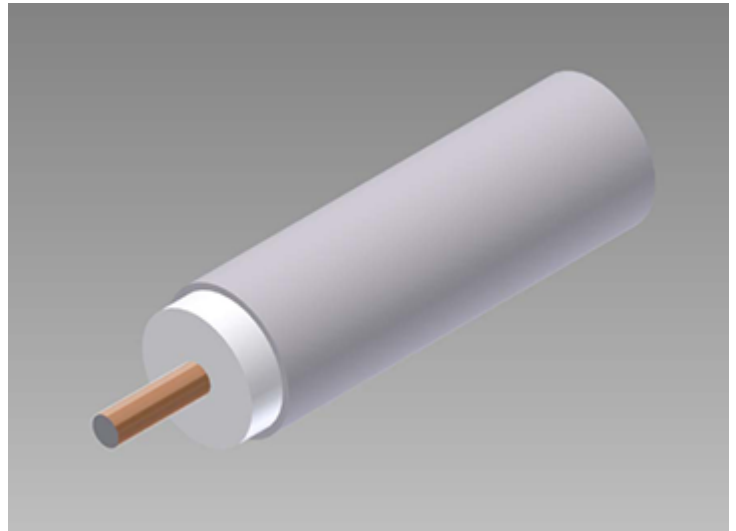




500 Series Coaxial Cable
Copper Clad Aluminum Conductor
Foamed Polyethylene Dielectric
Seamless Aluminum Tube Outer Conductor



Cable Ordering Information

Part Number	Description	NEC / CE Listing
750500A000AL00100001	T10500	

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	---	---	---
Messenger	---	---	---
Cable Width	---	---	---
	---	---	---
	---	---	---

Mechanical Specifications

Minimum Bend Radius, in. (mm)		4.0	(102)
Product Weight	(less reel)	78	(116)

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 \pm 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

Structural Return Loss

MHz		dB
	5-1002	-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
85	0.69	2.26
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
2000	3.72	12.20
2200	3.93	12.89
2400	4.12	13.52
2600	4.32	14.17
2800	4.50	14.76
3000	4.68	15.35

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