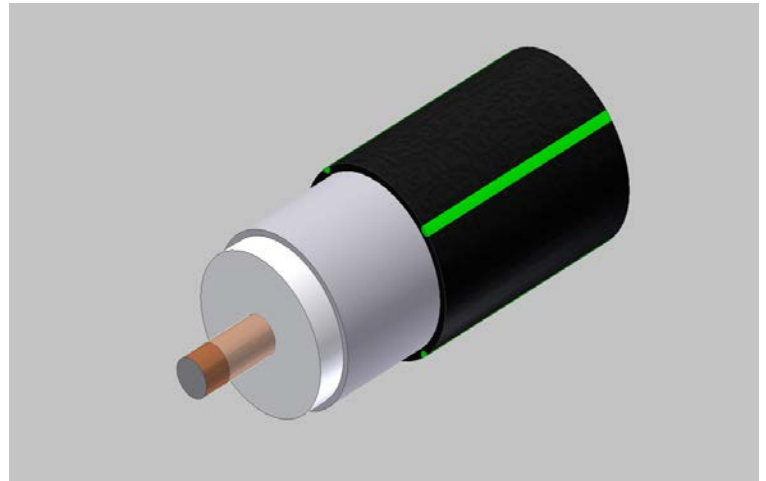




# TFC Coaxial Cable Product Information Sheet

## Type: T10500JVI / GNGN (AA)

**500 Series Coaxial Cable**  
 Copper Clad Aluminum Conductor  
 Foamed Polyethylene Dielectric  
 Seamless Aluminum Tube Outer Conductor  
 Medium Density Polyethylene Jacket  
 Visual Indicator Tracer(s) – Green (2X)  
 Animal Aversive



### Cable Ordering Information

Part Number	Description	NEC / CSA Listing
750500JT00BK16300001	T10500JVI / GNGN (AA)	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, AA	0.560	14.2
Messenger	---	---	---
Cable Width	---	---	---

### Mechanical Specifications

Minimum Bend Radius, in. (mm)		3.5	( 89)
Product Weight, lbs/kft (kg/km)	(less reel)	99	( 147)

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	15.6 pF/ft	51.2 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

Notes:

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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
1000	2.53	8.30

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