



# TFC Coaxial Cable Product Information Sheet

## Type: T690-FE (AA) BLACK

Series 6 Coaxial Cable  
 Copper Clad Steel Conductor  
 Foamed Polyethylene Dielectric  
 Bonded APA Laminate Shield  
 90% Aluminum Braid  
 Underground Floodant  
 Black Polyethylene Jacket  
 Animal Aversive



### Cable Ordering Information

Part Number	Description	NEC / CSA Listing
006S90E84BK0610000R1	T690-FE (AA) BLACK	none

### Characteristics

Material	Detail	inches	mm
Inner Conductor	Copper Clad Steel	0.0403	1.02
Dielectric	Foamed Polyethylene	0.180	4.57
1 <sup>st</sup> Outer Conductor	Sealed APA Tape	0.188	4.78
2 <sup>nd</sup> Outer Conductor	90% Aluminum Braid	0.212	5.38
3 <sup>rd</sup> Outer Conductor	---	---	---
4 <sup>th</sup> Outer Conductor	---	---	---
Floodant	Underground	---	---
Jacket	Polyethylene, Black, AA	0.273	6.93
Twisted Pairs	---	---	---
Messenger	---	---	---

### Mechanical Specifications

Minimum Bend Radius, in. (mm)		1.0	( 25.40)
Product Weight	(less reel)	24 lbs /kft	

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 $\pm$ 3	
Velocity of Propagation, %	85	
Capacitance, Nominal	16.2 pF/ft	53.2 pF/m
DC Resistance	$\Omega$ / kft	$\Omega$ / km
Inner Conductor	31.0	102
Outer Conductor	5.97	20
Loop	37.0	122

Notes:

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Attenuation, Maximum @ 68 °F (20 °C)		
Frequency, MHz	dB / 100 ft	dB / 100 m
5	0.58	1.90
55	1.60	5.25
211	3.05	10.01
250	3.30	10.83
270	3.37	11.06
300	3.55	11.65
330	3.74	12.27
350	3.85	12.63
400	4.15	13.62
450	4.40	14.44
500	4.66	15.29
550	4.90	16.08
600	5.10	16.73
750	5.65	18.54
870	6.11	20.05
1000	6.55	21.49

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