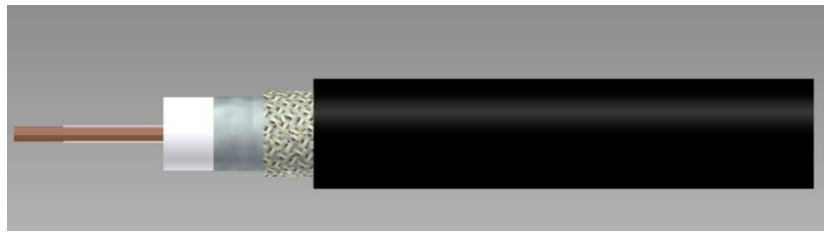


Series 6 Coaxial Cable  
Copper Clad Steel Conductor  
Foamed Polyethylene Dielectric  
Bonded APA Laminate Shield  
90% Aluminum Braid  
Underground Floodant  
Black Polyethylene Jacket



**Cable Ordering Information**

Part Number	Description	NEC / CSA Listing
006S90E00BK0610000R1	T690-FE 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	---	---	---
Floodant	Underground	---	---
Jacket	Polyethylene, Black	0.273	6.93
Twisted Pairs	---	---	---
Messenger	---	---	---

**Mechanical Specifications**

Minimum Bend Radius, in. (mm)		1.0	( 25.40)
Product Weight	(less reel)	25 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

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
1100	6.87	22.54
1200	7.18	23.56
1218	7.21	23.65
1300	7.47	24.51
1400	7.75	25.43
1500	8.06	26.44
1600	8.34	27.36
1700	8.61	28.25
1794	8.85	29.04
1800	8.87	29.10

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