



TFC Coaxial Cable Product Information Sheet

Type: TX15AT77-LTV BLACK

Series 15 Coaxial Cable
 Copper Clad Aluminum Conductor
 Foamed Polyethylene Dielectric
 Bonded APA Laminate Shield
 77% Aluminum Braid
 APA Laminate Shield
 Moisture Inhibiting lifeTime®
 Black PVC Jacket



Cable Ordering Information

Part Number	Description	NEC / CSA Listing
015T77V01BK281	TX15AT77-LTV BLACK	none

Characteristics

Material	Detail	inches	mm
Inner Conductor	Copper Clad Aluminum	0.109	2.77
Dielectric	Foamed Polyethylene	0.455	11.56
1 st Outer Conductor	Sealed APA Tape	0.463	11.76
2 nd Outer Conductor	77% Aluminum Braid	0.490	12.45
3 rd Outer Conductor	APA Tape	0.494	12.55
4 th Outer Conductor	---	---	---
Floodant	Non-Dripping lifeTime®	---	---
Jacket	PVC, Outdoor Grade, Black	0.595	15.1
Twisted Pairs	---	---	---
Messenger	---	---	---

Mechanical Specifications

Minimum Bend Radius, in. (mm)		2.00	(50.80)
Product Weight	(less reel)	104 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, Ω	75 \pm 2	
Velocity of Propagation, %	88	
Capacitance, Nominal	15.5 pF/ft	50.9 pF/m
DC Resistance	Ω / kft	Ω / km
Inner Conductor	1.35	4.43
Outer Conductor	2.69	8.83
Loop	4.04	13.26

Notes:

Attenuation, Maximum @ 68 °F (20 °C)		
Frequency, MHz	dB / 100 ft	dB / 100 m
5	0.21	0.69
55	0.60	1.97
211	1.16	3.81
250	1.26	4.13
270	1.31	4.30
300	1.39	4.56
330	1.45	4.76
350	1.50	4.92
400	1.61	5.28
450	1.71	5.61
500	1.80	5.91
550	1.90	6.23
600	1.98	6.50
750	2.23	7.32
870	2.41	7.91
1000	2.59	8.50

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