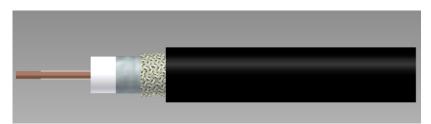
TFC Amphenol

TFC Coaxial Cable Product Information Sheet Type: TWB 2401C95T-E BLACK

TWB 2401 Coaxial Cable Copper Conductor Foamed Polyethylene Dielectric Bonded APA Laminate Shield 95% Tinned Copper Braid Black Polyethylene Jacket



Cable Ordering Information

Part Number	Description	NEC / CSA Listing	
240Z95E00BK577	TWB 2401C95T-E BLACK	n/a	
922002216 BK			
Characteristics			
Material	Detail	inches	mm
Inner Conductor	Copper	0.0560	1.42
Dielectric	Foamed Polyethylene	0.150	3.81
1 st Outer Conductor	Sealed APA Tape	0.157	3.99
2 nd Outer Conductor	95% Tinned Copper Braid	0.182	4.62
3 rd Outer Conductor			
4 th Outer Conductor			
Floodant			
Jacket	Polyethylene, Black	0.240	6.10
Twisted Pairs			
Messenger			
Mechanical Specifications			
Minimum Bend Radius, in. (mm)		0.75	(19.05)
Product Weight	(less reel)	34 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	50 ± 2	
Velocity of Propagation, %	84	
Capacitance, Nominal	24.1 pF/ft	79.1 pF/m
DC Resistance	Ω / kft	Ω / km
Inner Conductor	3.30	11
Outer Conductor	3.89	13
Loop	7.2	24
Cut-Off Frequency, GHz	31	

Attenuation, Maximum @ 68 °F (20 °C)				
Frequency, MHz	dB / 100 ft	dB / 100 m		
30	1.30	4.27		
50	1.70	5.58		
150	3.00	9.84		
220	3.70	12.14		
450	5.30	17.39		
900	7.60	24.93		
1500	9.90	32.48		
2000	11.50	37.73		
2500	12.90	42.32		
3000	14.34	47.05		
3500	15.62	51.25		
4000	16.74	54.92		
4500	17.79	58.37		
5000	18.87	61.91		
5250	19.33	63.42		
5500	19.79	64.93		
6000	20.79	68.21		

Notes:

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Average Power Rating @ 104°F (40 °C) Ambient VSWR 1.0, Inner Conductor Temperature @ 100 °C			
Frequency, MHz	kW		
30	1.49		
50	1.15		
150	0.66		
220	0.54		
450	0.38		
900	0.26		
1500	0.20		
2000	0.17		
2500	0.15		
3000	0.14		
3500	0.13		
4000	0.12		
4500	0.12		
5000	0.11		
5250	0.11		
5500	0.10		
6000	0.10		

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