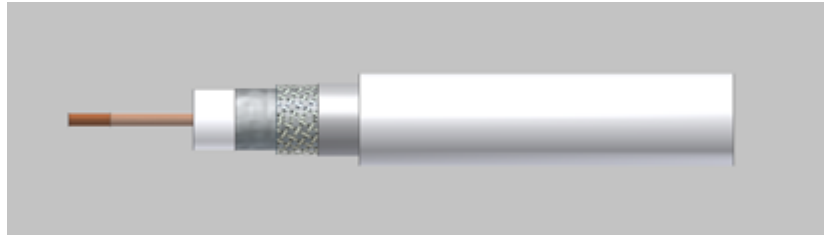


TFC Coaxial Cable Product Information Sheet

Type: T6TSFx77-U WHITE- (SPECIAL) / DBS

Series 6 Coaxial Cable - LTE
 Copper Clad Steel Conductor
 Foamed Polyethylene Dielectric
 Bonded APA Laminate Shield
 77% Aluminum Braid
 APA Laminate Shield, Shorting-Fold
 White PVC Jacket
 RoHS and WEEE Compliant



Meets Class A+ Shielding, EN 50117 2-4

Complies with UPC Europe drop cable specification / copper clad steel, version 3, 2011-11-07

Cable Ordering Information

Part Number	Description	NEC / CSA Listing
006277V00WH301UPC2R1	T6TSFx77-U WHITE - (SPECIAL) / DBS	none

Characteristics

Material	Detail	inches	mm
Inner Conductor	Copper Clad Steel	0.0403	1.02
Dielectric	Foamed Polyethylene	0.181	4.60
1 st Outer Conductor	Sealed APA Tape	0.189	4.80
2 nd Outer Conductor	77% Aluminum Braid	0.205	5.21
3 rd Outer Conductor	APA Tape w/ Shorting Fold	0.210	5.33
Jacket	PVC, White	0.268	6.81
Messenger	---	---	---

Mechanical Specifications

Minimum Bend Radius, in. (mm)		1.00	(25.40)
Product Weight	(less reel)	27 lbs / kft	40 kg / km
Pull Force		> 11 lbf < 18 lbf	> 50 N < 80 N
Tensile		≥ 27 lbf	≥ 120 N

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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TFC Coaxial Cable Product Information Sheet

Type: T6TSFx77-U WHITE- (SPECIAL) / DBS

Electrical Specifications

Impedance, Ω	75 \pm 3	
Velocity of Propagation, %	85	
Capacitance, Nominal	16.2 pF/ft	53.2 pF/m
DC Resistance	Ω / kft	Ω / km
Inner Conductor	31.0	102
Outer Conductor	5.70	19
Loop	36.7	120
Structural Return Loss, dB		
5-30 MHz	\geq 27	
30-470 MHz	\geq 27	
470-1000 MHz	\geq 24	
1000-2000 MHz	\geq 22	
2000-3000 MHz	\geq 20	
RFI Shielding		
Meets Class A+ Shielding, EN 50117 2-4		
Transfer Impedance		
5-30 MHz	\leq 2.5 m Ω •m	
Screening Attenuation		
30-1000 MHz	\geq 95 dB	
1000-2000 MHz	\geq 85 dB	
2000-3000 MHz	\geq 75 dB	

Attenuation, Maximum @ 68 °F (20 °C)

Frequency, MHz	dB / 100 ft	dB / 100 m
5	0.58	1.90
55	1.50	4.92
100	2.00	6.56
211	3.05	10.01
250	3.23	10.60
270	3.24	10.63
300	3.55	11.65
330	3.74	12.27
350	3.85	12.63
400	4.15	13.62
450	4.28	14.04
500	4.66	15.29
550	4.90	16.08
600	5.10	16.73
750	5.65	18.54
870	6.09	19.98
1000	6.53	21.42
1450	7.89	25.89
1750	8.74	28.67
2150	9.46	31.04
2250	9.91	32.51
2500	10.44	34.25
3000	11.44	37.53

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