

MoCSY[®]7 Broadband Coaxial Drop Cable Specifications



AT677TSSC-V1P-W



MoCSY[®]7 75 Ohm Coaxial Drop Cable, Series 6, Tri-Shield, 77 % Braid, White PVC Jacket, 1PreP[®] Bonded Outer Tape

General

Braid Coverage	77 %
Cable Type	Series 6
Packaging Type	Reel

Construction Materials

Jacket Material	PVC
Jacket Color	White
Shield Materials	TRITON Bonded inner foil + 77 % aluminum braid + bonded 1PreP [®] outer foil
Dielectric Material	Foam PE
Inner Conductor	Solid copper wire

Dimensions

Cable Length	1000 ft	305 m	
Diameter Over Jacket	0.275 in	6.99 mm	
Jacket Wall Thickness	0.030 in	0.76 mm	
Diameter Over Tape	0.186 in	4.72 mm	
Diameter Over Dielectric	0.176 in	4.47 mm	
Diameter Inner Conductor	0.0403 in	1.024 mm	
Reel	Flange Diameter	12.0 in	310 mm
	Hub Diameter	4 in	100 mm
	Traverse Width	11.8 in	300 mm
Total Weight	31 lbs	14.0 kg	

Electrical

Operating Frequency Band	5 to 1525 MHz	
Impedance	75 Ohms	
Velocity	85 %	
DC Loop Resistance	32.9 Ohms / kft	108 Ohms / km
Dielectric Strength	1500 V	
Jacket Spark Test Voltage (rms)	2500 V	
Return Loss (min)	5 to 1002 MHz	20 dB
	1002 to 1525 MHz	15 dB
Shielding Effectiveness (5-1000 MHz) (min)	Initial	110 dB
	10K flexes	105 dB
	30K flexes	90 dB

Attenuation @ 68 °F (20 °C) (+%10)

Freq. (MHz)	db / 100 ft	db / 100 m
5	0.67	2.2
50	1.37	4.5
100	1.98	6.5
230	2.75	9.0
470	4.09	13.4
860	5.95	19.5
1000	6.71	22.0
1200	7.90	25.9

Conformance

Applicable	RoHS
	SCTE 74 2011

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