

MoCSY®7 Broadband Coaxial Drop Cable Specifications



A677TS-BF1P



MoCSY®7

1PreP®

**copper
GUARD**

**corrosion
GUARD**

RoHS



MoCSY®7 75 Ohm Coaxial Drop Cable, Series 6, Tri-Shield, 77 % Braid, 1PreP® Bonded Outer Tape, PE Jacket, Flooded

General

Braid Coverage	77 %
Cable Type	Series 6
Packaging Type	Reel

Construction Materials

Jacket Material	PE
Jacket Color	Black A677TS-BF1P Orange A677TS-BFO1P
Corrosion Protection	APFC (amorphous polypropylene flooding compound)
Shield Materials	Bonded APA foil + 77 % aluminum braid + bonded 1PreP® outer foil
Dielectric Material	Foam PE
Inner Conductor	Copper-clad steel wire

Dimensions

Cable Length	1000 ft	305 m
Diameter Over Jacket	0.275 in	6.99 mm
Jacket Wall Thickness	0.03 in	0.76 mm
Diameter Over Tape	0.186 in	4.72 mm
Diameter Over Dielectric	0.177 in	4.49 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	26 lbs	11.8 kg

Electrical Specifications

Operating Frequency Band	5 to 3000 MHz		
Impedance	75 Ohms		
Velocity	85 %		
DC Loop Resistance	38.4 Ohms / kft	126 Ohms / km	
Dielectric Strength	1500 V		
Jacket Spark Test Voltage (rms)	2500 V		

Attenuation @ 68 °F (20 °C)

Freq. (MHz)	db / 100 ft	db / 100 m	Freq. (MHz)	db / 100 ft	db / 100 m
5	0.58	1.90	870	6.11	20.04
55	1.60	5.25	1000	6.55	21.49
211	3.05	10.00	1218	7.21	23.62
250	3.30	10.82	1300	7.53	24.67
270	3.37	11.04	1400	7.84	25.68
300	3.55	11.64	1500	8.13	26.63
330	3.74	12.26	1600	8.42	27.58
350	3.85	12.63	1700	8.70	28.50
400	4.15	13.61	1800	8.97	29.38
450	4.40	14.43	2000	9.50	31.12
500	4.66	15.29	2200	10.01	32.79
550	4.90	16.08	2500	10.73	35.15
600	5.10	16.73	2800	11.42	37.41
750	5.65	18.54	3000	11.86	38.85

Standards Conformance

Applicable	RoHS
	SCTE 74 2011

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