

# MoCSY®7 Broadband Coaxial Drop Cable Specifications

## ATZ677TS-BVV1P-R500C

### MoCSY®7 75 Ohm Coaxial Drop Cable, Series 6, TRITON Tri-Shield, Z-Wire® Anti-Corrosion, 77 % Braid, PVC Jacket, UL CATV Rated, 1PreP® Bonded Outer Tape, 500 Ft MOGO® Refill w/ Countdown



#### General

Braid Coverage	77 %
Cable Type	Series 6
Packaging Type	MOGO® Refill Reel w/ Countdown

#### Construction Materials

Jacket Material	PVC	
Jacket Color	■ Black	ATZ677TS-BVV1P-R500C
	■ Eggshell	ATZ677TS-BVVE1P-R500C
	■ Neutral	ATZ677TS-BVVN1P-R500C
	□ White	ATZ677TS-BVW1P-R500C
Corrosion Protection	Patented Z-Wire® dry corrosion inhibitor	
Shield Materials	TRITON Bonded inner foil + 77 % aluminum braid + bonded 1PreP® outer foil	
Dielectric Material	Foam PE	
Inner Conductor	Copper-clad steel wire	

#### Dimensions

Cable Length	500 ft	152 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	10.0 in / 260 mm
	Hub Diameter	3.4 in / 86 mm
	Traverse Width	7 in / 180 mm
Total Weight	16 lbs	7.3 kg

#### Electrical Specifications

Operating Frequency Band	5 to 3000 MHz	
Impedance	75 Ohms	
Velocity	85 %	
DC Loop Resistance	32.4 Ohms / kft	106 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
	UL / ETL Listings
	CATV, CM

US Patent No. 9728304 B2. www.pctintl.com/patents. Specifications subject to change without notice. 1PreP, Innovation for the Last Mile, MoCSY, Copper Guard, Corrosion Guard, PCT, PCT International, Predator, TRITON and Z-Wire are trademarks, registered and otherwise, of PCT International, Inc.