

# MoCSY®7 Broadband Coaxial Drop Cable Specifications

## ATZ677TS-BVW1P


**TRITON**
**1PreP®**
**Z-WIRE®**
**COPPER  
GUARD**
**RoHS**


# 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

### General

Braid Coverage	77 %
Cable Type	Series 6
Packaging Type	Reel

### Construction Materials

Jacket Material	PVC								
Jacket Color	<table border="1"> <tr> <td>■ Black</td> <td>ATZ677TS-BVW1P</td> </tr> <tr> <td>■ Eggshell</td> <td>ATZ677TS-BVVE1P</td> </tr> <tr> <td>■ Neutral</td> <td>ATZ677TS-BVWN1P</td> </tr> <tr> <td>□ White</td> <td>ATZ677TS-BVW1P</td> </tr> </table>	■ Black	ATZ677TS-BVW1P	■ Eggshell	ATZ677TS-BVVE1P	■ Neutral	ATZ677TS-BVWN1P	□ White	ATZ677TS-BVW1P
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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	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	32 lbs	14.5 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