

MoCSY®7 Broadband Coaxial Drop Cable Specifications

ATZ677TS-BVM1P



MoCSY®7 75 Ohm Coaxial Drop Cable, Series 6, TRITON Tri-Shield, Z-Wire® Anti-Corrosion, 77 % Braid, Messenger Wire, PVC Jacket, 1PreP® Bonded Outer Tape

General

Braid Coverage	77 %
Cable Type	Series 6
Packaging Type	Reel

Construction Materials

Jacket Material	PVC
Jacket Color	■ Black ATZ677TS-BVM1P
Messenger Wire	0.051 in (1.3 mm) galvanized steel
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	14.0 in
	Hub Diameter	4 in
	Traverse Width	11.8 in
Total Weight	39 lbs	17.9 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

Mechanical Specifications

Messenger Breaking Strength	77.1 kgf (170 lbf)
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Standards Conformance

Applicable	RoHS SCTE 74 2011
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