

Series 6 - MOCSY7 75 Ohm Broadband Coaxial Cable Drop Cable

series 6		77 % braid	tri-shield		75 ohm		
Part Number	Description	PCT's Available Cable Technologies				Regulatory Compliance	
		TRITON	Z-Wire	1PreP	Messenger	NEC 820	NEC 830
A677TS-BF	PE jacket, flooded	✓	✓	✓		--	BMU
A677TS-BV	PVC jacket	✓	✓	✓	✓	--	--
A677TS-BVR	PVC jacket, UL CATVR riser rated	✓	✓	✓		CATVR, CMR	--
A677TS-BVV	PVC jacket, UL CATV rated	✓	✓	✓	✓	CATV, CM	BM

All constructions: **RoHS** compliant; conform to all applicable SCTE standards

Construction Materials

Dielectric	Foam PE
Inner Conductor	Copper-clad steel wire
Outer Conductor	Bonded foil + 77 % aluminum braid + non-bonded foil
Messenger (if applicable)	0.051 in galvanized steel

Dimensions

Diameter Over Dielectric	4.490 mm (0.177 in)
Diameter Over Jacket	6.930 mm (0.273 in)
Diameter Over Tape	4.700 mm (0.185 in)
Inner Conductor OD	1.024 mm (0.0403 in)
Jacket Wall Thickness	0.760 mm (0.030 in)

Electrical Specifications

Operating Frequency Band	5 to 1675 MHz
Cable Impedance	75 Ohm
DC Loop Resistance	126.0 Ohms / km (38.4 Ohms / kft)
DC Test Voltage	1500 V
Jacket Spark Test Voltage (rms)	2500 V
Velocity	85%
Attenuation	See reverse side

Mechanical Specifications (if applicable)

Messenger Breaking Strength	77.1 kgf (170.0 lbf)
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Ordering Information (choose one from each column)

	6	77	TS						Description
A									MOCSY [®] 7 subscriber access cable
AT									MOCSY [®] 7 TRITON enhanced base shield tape
ATZ									MOCSY [®] 7 TRITON enhanced base shield tape w/ Z-Wire [®] anti-corrosion protection
AZ									MOCSY [®] 7 subscriber access cable w/ Z-Wire [®] anti-corrosion protection
	6								Series 6 cable
		77							77 % braid coverage
			TS						Tri-shield - tape, braid, tape
				-BF					Bonded foil, PE jacket, flooding compound
				-BV					Bonded foil, PVC jacket
				-BVR					Bonded foil, PVC jacket, UL CATVR riser rated
				-BVV					Bonded foil, PVC jacket, UL CATV rated
					M				Messenger wire - available on BV and BVV constructions
						X			Jacketing - (leave blank) black, (N) neutral, (O) orange, (W) white
							1P		1PreP [®] rapid preparation technology - available with tri-shield
								-Y	Packaging : - (leave blank) 1000 ft reel - (5) 500 ft reel - (BOX) 1000 ft box - (RBX) Reel-in-box 1000 ft w/ frames - (RBX5) T-Pack 500 ft w/o frames - (R500) 500 ft MOGO refill

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attenuation table

Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft
5	1.90	0.58
55	5.25	1.60
211	10.00	3.05
250	10.82	3.30
270	11.04	3.37
300	11.64	3.55
330	12.26	3.74
350	12.63	3.85
400	13.61	4.15
450	14.43	4.40
500	15.29	4.66
550	16.08	4.90
600	16.73	5.10
750	18.54	5.65
870	20.04	6.11
1000	21.49	6.55
1125	22.80	6.95
1525	26.54	8.09



500 ft reel



1000 ft box



1000 ft reel



Reel-in-Box

reel packaging

Part Number	Cable Length m (ft)	Total Weight kg (lb)	Reel Dimensions cm (in)	Reels Per Pallet
A677TS-BVFN-RBX5	152 (500)	7.0 (15.5)	27.7 x 27.2 x 21 (10.9 x 10.7 x 8.3)	36
A677TS-BVV-RBX5	152 (500)	7.0 (15.5)	27.7 x 27.2 x 21 (10.9 x 10.7 x 8.3)	36
A677TS-BVFW-RBX5	152 (500)	7.0 (15.5)	27.7 x 27.2 x 21 (10.9 x 10.7 x 8.3)	36
A677TS-BF	305 (1000)	12.0 (26.5)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	27
A677TS-BF1P	305 (1000)	12.0 (26.5)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	27
A677TS-BFO	305 (1000)	11.8 (26.0)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	36
A677TS-BVR	305 (1000)	14.0 (30.9)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	36
A677TS-BVV	305 (1000)	13.6 (30.0)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	36
A677TS-BVFN	305 (1000)	13.5 (29.8)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	27
A677TS-BVVO	305 (1000)	13.5 (29.8)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	36
AZ677TS-BVV	305 (1000)	13.5 (29.8)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	36
AT677TS-BFO	305 (1000)	11.8 (26.0)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	36
ATZ677TS-BVV	305 (1000)	12.8 (28.2)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	36
ATZ677TS-BVFW	305 (1000)	12.8 (28.2)	30 x 10 x 30 (11.8 x 3.9 x 11.8)	27
A677TS-BVFW	305 (1000)	13.5 (29.8)	30 x 12.5 x 30 (11.8 x 4.9 x 11.8)	27
A677TS-BFM	305 (1000)	17.4 (38.4)	35 x 10 x 30 (13.8 x 3.9 x 11.8)	36
A677TS-BVM	305 (1000)	19.4 (42.8)	35 x 10 x 30 (13.8 x 3.9 x 11.8)	36
A677TS-BVM1P	305 (1000)	19.0 (41.9)	35 x 10 x 30 (13.8 x 3.9 x 11.8)	36
AZ677TS-BVM	305 (1000)	19.8 (43.7)	35 x 10 x 30 (13.8 x 3.9 x 11.8)	36
ATZ677TS-BVM	305 (1000)	19.4 (42.8)	35 x 10 x 30 (13.8 x 3.9 x 11.8)	12
A677TS-BVV-CAD	213 (700)	9.5 (20.9)	42 x 42 x 23 (16.5 x 16.5 x 9.1)	27
A677TS-BVFN-CAD	213 (700)	8.9 (19.6)	42 x 42 x 23 (16.5 x 16.5 x 9.1)	27
A677TS-BVFW-CAD	213 (700)	8.9 (19.6)	42 x 42 x 23 (16.5 x 16.5 x 9.1)	36
AZ677TS-BVV-BOX	305 (1000)	14.0 (30.9)	48 x 48 x 26 (18.9 x 18.9 x 10.2)	27
A677TS-BVV-BOX	305 (1000)	13.7 (30.1)	50 x 27 x 48.5 (19.7 x 10.6 x 19.1)	27
A677TS-BVFN-BOX	305 (1000)	15.0 (33.1)	50 x 27 x 48.5 (19.7 x 10.6 x 19.1)	27
A677TS-BVFW-BOX	305 (1000)	15.0 (33.1)	50 x 27 x 48.5 (19.7 x 10.6 x 19.1)	18

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PCTDS.MOCSY7_20140724

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