

Series 11 - MOCSY7 75 Ohm Broadband Coaxial Cable Drop Cable

series 11		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	
		A1177TS-BF	PE jacket, flooded	✓	✓	✓	--	BMU
		A1177TS-BV	PVC jacket	✓	✓	✓	✓	--
		A1177TS-BVR	PVC jacket, UL CATVR riser rated	✓	✓	✓	CATVR, CMR	--
A1177TS-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)	0.072 in galvanized steel

Dimensions

Diameter Over Dielectric	7.110 mm (0.280 in)
Diameter Over Jacket	10.160 mm (0.400 in)
Diameter Over Tape	7.320 mm (0.288 in)
Inner Conductor OD	1.630 mm (0.064 in)
Jacket Wall Thickness	1.070 mm (0.042 in)

Electrical Specifications

Operating Frequency Band	5 to 1675 MHz
Cable Impedance	75 Ohm
DC Loop Resistance	57.1 Ohms / km (17.4 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	156.9 kgf (346.0 lbf)
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Ordering Information (choose one from each column)

	11	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
	11								Series 11 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

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Z-WIRE[®]

1PreP[®]



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attenuation table

Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft
5	1.25	0.38
55	3.15	0.96
211	6.23	1.90
250	6.72	2.50
270	7.00	2.13
300	7.38	2.25
330	7.71	2.35
350	7.94	2.42
400	8.53	2.60
450	9.02	2.75
500	9.51	2.90
550	9.97	3.04
600	10.43	3.18
750	11.97	3.65
870	13.31	4.06
1000	14.27	4.35
1125	15.14	4.61
1525	17.62	5.37



500 ft reel

reel packaging

Part Number	Cable Length m (ft)	Total Weight kg (lb)	Reel Dimensions cm (in)	Reels Per Pallet
A1177TS-BVW	305 (1000)	30.0 (66.1)	45 x 20 x 30 (17.7 x 7.9 x 11.8)	15
AZ1177TS-BVV	305 (1000)	30.0 (66.1)	45 x 20 x 30 (17.7 x 7.9 x 11.8)	15
A1177TS-BF	305 (1000)	26.5 (58.4)	46 x 20 x 30 (18.1 x 7.9 x 11.8)	15
A1177TS-BF1P	305 (1000)	25.5 (56.2)	46 x 20 x 30 (18.1 x 7.9 x 11.8)	15
A1177TS-BFO	305 (1000)	26.5 (58.4)	46 x 20 x 30 (18.1 x 7.9 x 11.8)	15
A1177TS-BVV	305 (1000)	30.0 (66.1)	46 x 20 x 30 (18.1 x 7.9 x 11.8)	15
A1177TS-BVV1P	305 (1000)	30.0 (66.1)	46 x 20 x 30 (18.1 x 7.9 x 11.8)	15
A1177TS-BFM	305 (1000)	34.0 (75.0)	52.5 x 20 x 30 (20.7 x 7.9 x 11.8)	12
A1177TS-BVM	305 (1000)	39.6 (87.3)	52.5 x 20 x 30 (20.7 x 7.9 x 11.8)	12
A1177TS-BVM1P	305 (1000)	39.2 (86.4)	52.5 x 20 x 30 (20.7 x 7.9 x 11.8)	12
AZ1177TS-BVM	305 (1000)	38.8 (85.5)	52.5 x 20 x 30 (20.7 x 7.9 x 11.8)	12



1000 ft reel

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