

# MOCSY<sup>®</sup>7 MINI

## 75 Ohm Headend Coaxial Cable

### Bi-Shield through Quad-Shield



Innovation for the Last Mile<sup>®</sup>



## OVERVIEW

PCT's MoCSY<sup>®</sup>7 MINI 75 Ohm headend coaxial CATV cable is the reliable, cost-effective solution designed to handle ever-increasing demands of high technology signal processing equipment used within the headend. Available in 11 different colors, MoCSY7 MINI cable is designed for maximum shielding effectiveness for frequencies up to 3 GHz. PCT's MoCSY7 MINI cable offers service providers the lowest possible cable cost, while meeting or exceeding SCTE specifications to ensure reliable, long-life performance.

## ADVANCED FEATURES

- ✓ Ideal for broadband headend applications
- ✓ Increases flexibility to wire management routing schemes
- ✓ Simplifies headend coax maintenance
- ✓ Includes two styles of cable
  - Copper clad steel center conductor
  - Solid copper center conductor
- ✓ High density copper braid
- ✓ Swept to 3 GHz
- ✓ Available in 11 different colors

## Ordering Information

### Copper Clad Steel Center Conductor

AMHE77TS-VR-xx MoCSY<sup>®</sup>7 Mini Headend Coaxial Cable, Tri-Shield, 77% Tinned Copper Braid, Riser PVC Jacket

### Solid Copper Center Conductor

AMHES TC-BVV-xx MoCSY<sup>®</sup>7 Mini Headend Coaxial Cable, Bi-Shield, 95% Tinned Copper Braid, PVC Jacket

AMHEQSTC-BVV-xx MoCSY<sup>®</sup>7 Mini Headend Coaxial Cable, Quad-Shield, 95% + 90% Tinned Copper Braid, PVC Jacket

### Jacket Color Options

"xx" = Color  
Black (standard, leave empty), Blue (BL), Brown (BN), Green (G), Gray (GY), Orange (O), Pink (P), Red (R), Violet (V), White (W), Yellow (Y)

Ideal for Headend Applications

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Call +1.800.306.8948 for more information

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## Specifications

### General

		AMHE77TS-VR	AMHESTC-BVV	AMHEQSTC-BVV
Braid Coverage	%	77	95	95 / 90
Cable Type	--	Mini headend	Mini headend	Mini headend

### Packaging

		AMHE77TS-VR	AMHESTC-BVV	AMHEQSTC-BVV
Type	--	Reel in Box (-BOX)	Reel in Box (-BOX)	Reel in Box (-BOX)
Length	m (ft)	305 (1000)	305 (1000)	305 (1000)

### Construction Materials

		AMHE77TS-VR	AMHESTC-BVV	AMHEQSTC-BVV
Dielectric	--	Foam PE	Foam PE	Foam PE
Inner Conductor Wire	--	Copper-clad steel	Solid Copper	Solid copper
Outer Conductor	--	Bonded foil + 77% tinned copper braid + non-bonded foil	Bonded foil + 95% tinned copper braid	Bonded foil + 95% tinned copper braid + non-bonded foil + 90% tinned copper braid
Jacket Material	--	Riser PVC	PVC	PVC
Jacket Colors	--	Black (standard, leave empty), Blue (BL), Brown (BN), Green (G), Gray (GY), Orange (O), Pink (P), Red (R), Violet (V), White (W), Yellow (Y)		

### Dimensions

		AMHE77TS-VR	AMHESTC-BVV	AMHEQSTC-BVV
Cable Length	m (ft)	305 (1000)	305 (1000)	305 (1000)
Diameter Over Dielectric	mm (in)	2.54 (0.100)	2.54 (0.10)	2.54 (0.10)
Diameter Over Jacket	mm (in)	4.50 (0.177)	4.04 (0.159)	4.7 (0.185)
Diameter Over Tape	mm (in)	2.72 (0.107)	2.72 (0.107)	2.72 (0.107)
Inner Conductor OD	mm (in)	0.573 (0.023)	0.573 (0.023)	0.573 (0.023)
Jacket Wall Thickness	mm (in)	0.43 (0.017)	0.43 (0.017)	0.43 (0.017)
Reel Flange	cm (in)	27 (10.5)	27 (10.5)	27 (10.5)
Hub	cm (in)	9 (3.5)	9 (3.5)	9 (3.5)
Traverse	cm (in)	18 (7.2)	18 (7.2)	18 (7.2)
Total Weight	kg (lbs)	8 (18)	8 (18)	14 (31)

### Electrical Specifications

		AMHE77TS-VR	AMHESTC-BVV	AMHEQSTC-BVV
Operating Frequency Band	MHz	5 to 3000	5 to 3000	5 to 3000
Cable Impedance	Ohms	75	75	75
dc Loop Resistance (Ohms / x)	km (kft)	170 (52)	89 (27)	89 (27)
dc Test Voltage	V	1000	1000	1000
Jacket Spark Test Voltage (rms)	V	2500	2500	2500
Velocity	%	83	83	83
Return Loss 5 to 1002 MHz	dB	20	20	20
1002 to 3000 MHz	dB	15	15	15

### Regulatory Compliance

		AMHE77TS-VR	AMHESTC-BVV	AMHEQSTC-BVV
Agency	--	UL / ETL Cert.	UL / ETL Cert.	UL / ETL Cert.
NEC 820	--	CMR	CM	CM
Other	--	RoHS	RoHS	RoHS

### Attenuation All Constructions, @ 20° C (68 ° F)

Frequency (MHz)	dB / 100 ft	dB / 100 m	Frequency (MHz)	dB / 100 ft	dB / 100 m
5	1.00	3.28	550	8.54	28.02
55	2.82	9.27	600	8.92	29.28
211	5.30	17.39	750	10.01	32.85
250	5.72	18.75	870	10.79	35.39
270	5.94	19.49	1000	11.62	38.13
300	6.26	20.54	1450	14.08	46.20
330	6.56	21.52	1500	14.35	47.00
350	6.75	22.16	1750	15.67	51.40
400	7.25	23.79	2050	17.16	56.30
450	7.70	25.25	2250	18.12	59.40
500	8.11	26.60	3000	21.45	70.40