

Thermax

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LS50-7/0067CSZXE 50 Ohm Coaxial Cable

Scope: This specification describes a 50 ohm coaxial cable constructed in accordance with Motorola Specification 30C83794C01.

Construction Details

		Diameter (inch)
		Nom.
Conductor	25 AWG 7/.0067 silver plated copper covered steel per ASTM B-501	.020
Dielectric	Extruded polytetrafluoroethylene (PTFE)	.060
First Shield	38 AWG silver plated copper having 90% minimum coverage	.078
Second Shield	36 AWG tin plated copper having 90% minimum coverage	.100
Jacket	Extruded fluorinated ethylene propylene (FEP)	.120
Color: White		

Properties

Suggested Temperature Rating (max.)	150°C
Weight (nom.)	16.5 lbs./1,000 ft.
Impedance	50 ± 2 ohms
Capacitance (nom.)	28.5 pF/ft.
Attenuation @ 10 MHz	6.0 dB/100 ft.
(max.) 150 MHz	14.5 dB/100 ft.
400 MHz	22.5 dB/100 ft.
1,000 MHz	40.0 dB/100 ft.
Time Delay (nom.)	1.45 ns/ft.
Velocity of Propagation (nom.)	69.5%
Jacket Spark Test	2,000 Vrms
Voltage Withstanding (min.)	2,000 Vrms

Packaging

Nominal ft./reel: 2,600 ft. on 12-inch plastics
 Random factory lengths
 Labeling to UL 1354

Non-Controlled Copy

	Cage Code	Product Specification			Revisions			
		679-195	Prepared by	Date	Page	Rev.	Description	Date
<i>The information contained in this drawing is the proprietary property of Thermax. It may not be used or reproduced, in whole or in part, without written authorization from Thermax.</i>	12814	JL	05/06/98	1 of 1	--	Initial release	01/10/95	JAD
					A	Revised attenuation values	10/27/95	JAD
					B	Issued new format; adjusted temperature rating for TPC shield	05/06/98	JAD