

THERMAX/CDT

Thermax/CDT - East
 19-02 Whitestone Expressway
 Whitestone, NY 11357
 (888) 761-7800 Fax (718) 746-4190

Thermax/CDT - West
 8946 Winnetka Avenue
 Northridge, CA 91324
 (800) 423-5873 Fax (818) 701-7964

75 Ohm Triaxial Cable

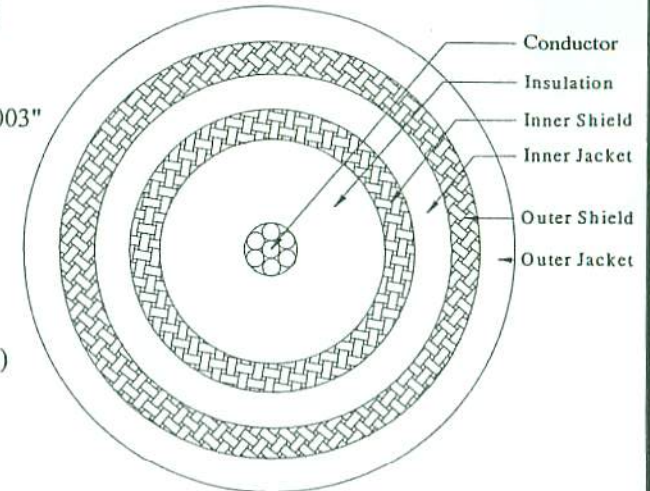
Scope: This specification describes a 75 ohm high speed shielded and jacketed cable as described below.

Construction Details

Conductor	28 AWG 7 x 36 silver plated copper clad steel
Insulation	Extruded expanded polytetrafluoroethylene (PTFE)/PTFE tape composite
Inner Shield	38 AWG silver plated copper braid having 90% minimum optical coverage
Inner Jacket	Extruded fluorinated ethylene propylene (FEP) Color: Transparent White
Outer Shield	38 AWG silver plated high strength copper alloy braid having 90% minimum optical coverage
Outer Jacket	Extruded fluorinated ethylene propylene (FEP) Color: Transparent White
Identification	Part number and cage code on marker tape under jacket

Diameter (inch)

Nom.	.015
	.063 +/- .003"
	.081
	.098
	.116
	.137 (max)



Properties

Temperature	-55°C to +200°C
Impedance	75 ohms ± 3
Capacitance	19.0 (max.)
Velocity of Propagation	81% (nom.)
Attenuation @ 100 MHz	8.8 dB/100ft. (max.)
700 MHz	24.0 dB/100 ft. (max.)
1000 MHz	30.5 dB/100 ft. (max.)
Dielectric Strength	1,000 Vrms
Weight	19.0 lbs/1,000 ft. (max)

FOR REFERENCE ONLY

Packaging

To be supplied on bulk reels.
 200 ft. Minimum lengths.

Product Specification			Revisions			
1508-135			Rev.	Description	Date	Approved
			--	Initial release	1/13/04	JD
Prepared by	Date	Page				
JD	1/13/04	1 of 1				

Cage Code
12814

The information contained in this drawing is the proprietary property of Thermax/CDT, a subsidiary of Cable Design Technologies. It may not be used or reproduced, in whole or in part, without written authorization from Thermax/CDT.