

Thermax

Thermax - East
 19-02 Whitestone Expressway
 Whitestone, NY 11357
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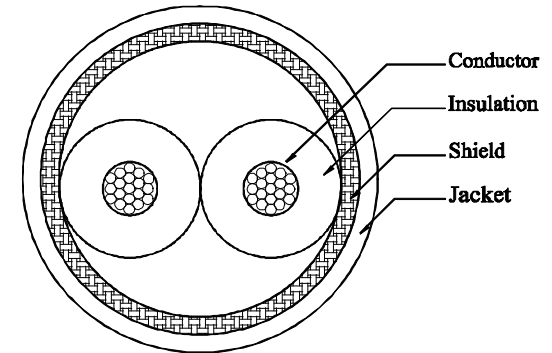
Thermax - West
 8946 Winnetka Avenue
 Northridge, CA 91324
 (800) 423-5873 Fax (818) 701-7964

100 Ohm Data Transmission Pair

Scope: This specification defines the characteristics for a fluoropolymer two conductor balanced line.

Construction Details

		Diameter (inch)	
		Nom.	Max.
Conductor	24 AWG 19 x 36 stranding silver plated copper alloy	.024	.025
Insulation	Extruded polytetrafluoroethylene (PTFE) Colors: White White/Brown	.062	.066
Cabling	Two insulated conductors cabled together	.124	.132
Shield	Round Tin plated copper braid having 90% minimum coverage	.140	.150
Jacket	Extruded fluorinated ethylene propylene (FEP) Color: White	.156	.170
Identification	Nomex marker tape under shield, or other approved methods. Legend "Thermax/CDT part number and cage code"		



Properties

Temperature Rating	150°C
Characteristic Impedance	100 ohms ± 10%
Capacitance	14.5 ± 1 pF/ft.
Weight	18.8 lbs./1,000 ft. (max.)

Non-Controlled Copy

	Cage Code	Product Specification			Revisions			
		689-295	Prepared by	Date	Page	Rev.	Description	Date
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					A	Issued new format	05/18/00	JAD
					B	Added cable temp rating	05/02/02	JAD
					C	Defined Shield	11/21/08	JAD