

# Thermax

**Thermax - East**  
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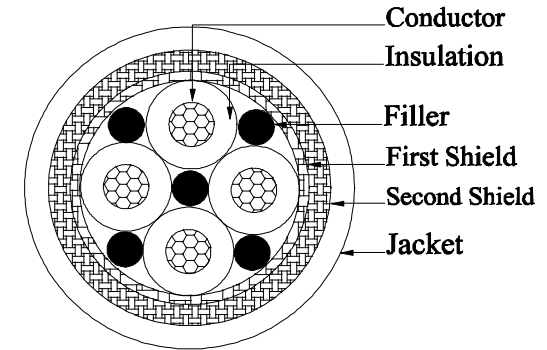
**Thermax - West**  
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Scope: This specification defines the characteristics for a 100 ohm four conductor (quad) 26 AWG Ethernet cable.

## Construction Details - Four conductor fluoropolymer data cable

Conductor	26 AWG 19 x 38 silver plated high strength copper alloy	.0189 ± .0003
Insulation	Extruded LTE with sintered PTFE tape jacket Component 1: Red and Red/Black Component 2: Blue and Blue/Black	.038 ± .003
Cabling	Four insulated conductors cabled together with 1.25" nominal lay. Fillers will be used for roundness.	.092
First Shield	Flat tin plated copper braid having 92% minimum coverage	.100
Second Shield	Round tin plated copper braid having 85% minimum coverage	.118 ± .010
Jacket	Extruded fluorinated ethylene propylene (FEP) Color: Transparent blue	.138 ± .010
Identification	Polyimide marker tape under jacket with part number and cage code	

Diameter (inch)



## Properties

Differential Impedance	100 ohms ± 10%
Velocity of Propagation	79 ± 2%
Time Delay	1.29 ± .03
Crosstalk	<-45 dB (max.)
Attenuation @ 6 MHz	2.25 dB/75 ft. (nom.)
Weight	19.0 lbs./1,000 ft. (nom.) 20.5 lbs./1,000 ft. (max.)

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		JL	03/15/01	1 of 1	--	Initial release	03/15/01	JAD