

Thermax

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Scope: This specification describes a double shielded 50 ohm coaxial cable.

Construction Details

		Diameter (inch)
Conductor	30 AWG 7 x 38 silver plated copper covered steel to ASTM B-298 (50 micro-inches silver) and ASTM B-501A	.012 ± .001
Dielectric	Natural extruded solid polytetrafluoroethylene (PTFE)	.033 ± .002
Double Shield	38 AWG silver plated copper braid to ASTM B-298 (40 micro-inches silver) with 90% minimum coverage each	.067 (nom.)
Jacket	Extruded fluorinated ethylene propylene (FEP) Nominal wall thickness of .010 inch	.087 (nom.)

Properties

Temperature Rating	200°C continuous
Conductor Resistance @ 20°C	245 ohms/Mft. (max.)
Impedance	50 ± 2 ohms
Capacitance	32 pF/ft. (max.)
Attenuation @ 400 MHz	33 dB/100 ft. (max.)
Velocity of Propagation	70% (nom.)
Spark Test	2,000 volts rms
Voltage Withstanding	2,000 volts rms (min.)

Colors

Clear core; transparent brown jacket unless otherwise specified.

Packaging

100 ft minimum length
 Put-up on 12-inch reels

Non-Controlled Copy

			Product Specification		Revisions			
			50-738CSSXE		Rev.	Description	Date	Approved
			391704		--	Initial release	12/22/03	EC
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