

Scope: This specification describes a 50 ohm coaxial cable.

Construction Details

Diameter (inch)

Conductor	7 x .0067 silver plated copper covered steel to ASTM B-298 (50 micro-inches silver) and ASTM B-501A	.0201 ± .001
Dielectric	Natural extruded solid polytetrafluoroethylene (PTFE)	.060 ± .003
Shield	38 AWG silver plated copper braid to ASTM B-298 (40 micro-inches silver) with 90% minimum coverage	.077 (nom)
Jacket	Tape wrapped PTFE	.099 (nom) .110 (max)

Properties

Temperature Rating	200°C continuous
Conductor Resistance @ 20°C	84.1 ohms/1,000 ft. (max.)
Impedance	50 ± 2 ohms
Capacitance	29.3 pF/ft. (max.)
Attenuation @ 400 Hz	20 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; white jacket unless otherwise specified.

Packaging

Minimum length	100 ft.
Put-up on 12-inch reels	2,500 ft. (nom.)

Non-controlled Copy

Product Specification			Revisions			
RG-188A/U			Rev.	Description	Date	Approved
			--	Initial Release	02/17/05	EC
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