



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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**SPECIFICATION CONTROL DRAWING**

**5012M3612**

**CHEMINAX**

50 OHM, AWG 12, 7 STRANDS OF .0296, COAXIAL CABLE

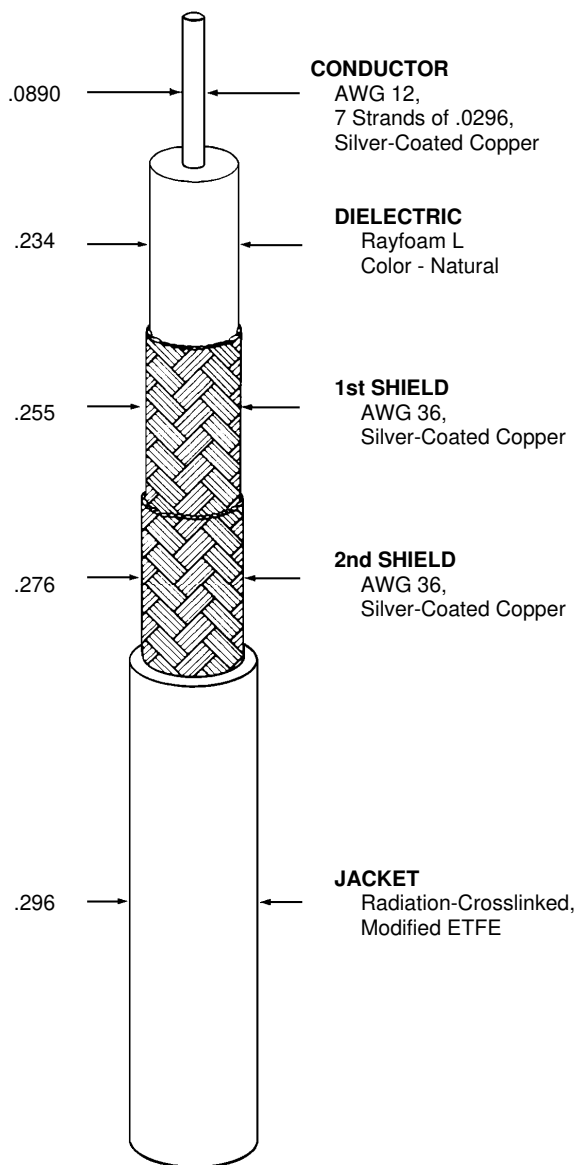
Date: 8-8-13  
Revision: L

THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

**ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.



CHARACTERISTIC IMPEDANCE	50 ± 2 ohms, Method A
CAPACITANCE	25.0 pF/ft. (minimum), 30.0 pF/ft. (maximum)
VELOCITY OF PROPAGATION	78% (nominal)
ATTENUATION	3 dB/100 ft. (maximum) at 100 MHz 6 dB/100 ft. (maximum) at 400 MHz 10 dB/100 ft. (maximum) at 1 GHz 20 dB/100 ft. (maximum) at 3 GHz

**ADDITIONAL REQUIREMENTS**

**ELECTRICAL**

CONDUCTOR RESISTANCE	1.76 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS SPARK TEST IMPULSE TEST	1.0 kV (rms) 6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	3500 volts rms)

**ENVIRONMENTAL**

FLAMMABILITY	FAR, Part 25 (Spec 1200, Method B)
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/8.00 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute

**PHYSICAL**

DIELECTRIC CONCENTRICITY	75% (minimum)
INSULATION (DIELECTRIC) ELONGATION TENSILE STRENGTH	50% (minimum) 1000 lbf/in <sup>2</sup> (minimum)
JACKET ELONGATION TENSILE STRENGTH	50% (minimum) 5000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.010 inch (nominal)
SHIELD COVERAGE (each)	90% (minimum)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 5012M3612-0), unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

WEIGHT 68.2 lbs/1000 ft. (nominal)

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

