

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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







# SPECIFICATION CONTROL DRAWING

**CHEMINAX** 

77 OHM, AWG 22, 19 STRANDS OF AWG 34, DATA BUS CABLE

11-2-07 Date С Revision

7722D0911

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

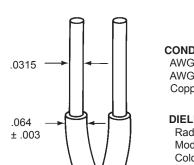
77 ± 5 Ohms, Method C at 1 MHz

MUTUAL CAPACITANCE

30.0 pF/ft. (maximum)

**ATTENUATION** 

1.0 dB/100 ft. (maximum) at 1 MHz



149

#### CONDUCTOR

AWG 22, 19 Strands of AWG 34, Tin-Coated Copper

#### **DIELECTRIC**

Radiation-Crosslinked, Modified ETFE Color - Light Blue/White

**SHIELD** 

AWG 36,

Tin-Coated Copper

# ADDITIONAL REQUIREMENTS

### **COMPONENT WIRE PRIOR TO CABLING (Test Procedures per SAE AS22759)**

**CROSSLINK PROOF** 300 ± 3°C for 1 hour, .750 inch mandrel, .500 lb., 2.5 kV dielectric test

INSULATION (DIELECTRIC)

**ELONGATION** 50% (minimum) TENSILE STRENGTH 5000 lbf/in2 (minimum)

**INSULATION FLAWS** 

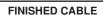
SPARK TEST 3.0 kV (rms) **IMPULSE TEST** 8.0 kV (peak)

5000 megohms for 1000 ft. (minimum) INSULATION RESISTANCE LOW TEMPERATURE-COLD BEND -65 ± 3°C for 4 hours, .750 inch mandrel,

1.00 lb., 2.5 kV dielectric test

**SHRINKAGE** 200 ± 3°C for 1 hour,

.125 inch (maximum) in 12 inches



CABLE LAY LENGTH SHIELD COVERAGE **VOLTAGE WITHSTAND** (DIELECTRIC)

.75 inch (minimum), 1.25 inches (maximum)

90% (minimum) 1500 volts (rms)

WEIGHT

18.2 lbs/1000 ft. (nominal)

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

The TE logo, Tyco Electronics, Cheminax and Raychem are trademarks.

