

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









100 OHM, AWG 24, 19 STRANDS OF AWG 36, RADIO FREQUENCY, TWO CONDUCTOR CABLE

Date: Revision: 10-1-96 B

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

### **CONSTRUCTION DETAILS**

## DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

# CONDUCTOR .025 AWG 24, 19 Strands of AWG 36, Tin-Coated Copper 054 DIELECTRIC Rayfoam® H Colors - White/ 003 Light Blue **FILLERS** .035 Radiation-Crosslinked Modified ETFE SHIELD .125 AWG 38. Tin-Coated Copper **JACKET** .145 Modified FEP

Outer jacket color will be transparent white (designated by a "-9X" appended to the part number, e.g. 0024A0021-9X) unless otherwise specified.

..esignate outer jacket color with a dash number in accordance with MIL-STD-681.

### **ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE

100 ± 8 ohms, Method C at 1 MHz

CAPACITANCE - MUTUAL

13.5 pF/ft. (nominal)

VELOCITY OF PROPAGATION

76% (nominal)

CAPACITANCE UNBALANCE

3% (nominal)

## ADDITIONAL REQUIREMENTS

#### **ELECTRICAL**

CONDUCTOR RESISTANCE INSULATION RESISTANCE

24.8 ohms/1000 ft. (nominal) 10,000 megohms (minimum)

for 1000 ft.

JACKET FLAWS SPARK TEST

1.0 kV (rms), 60 Hz 6.0 kV, (peak)

IMPULSE TEST VOLTAGE WITHSTAND

1000 volts (rms), (minimum)

(DIELECTRIC) LOOP RESISTANCE

60 ohms/1000 ft. (nominal)

#### ENVIRONMENTAL

AGING STABILITY FLAMMABILITY

Method B

HEAT SHOCK LOW TEMPERATURE- 225°C

COLD BEND

-55°C/3.75 inch mandrel

135°C/-55°C/3.75 inch mandrel

#### PHYSICAL

INSULATION (DIELECTRIC)

(Prior to cabling)

ELONGATION TENSILE STRENGTH 50% (minimum) 600 lbf/in² (minimum)

JACKET

ELONGATION TENSILE STRENGTH JACKET THICKNESS 200% (minimum) 2000 lbf/in² (minimum) .010 inch (nominal)

SHIELD COVERAGE 90% (mir LOOP-RESISTANCE 60 ohms

90% (minimum) 60 ohms/1000 ft. (nominal)

WEIGHT

17.3 lbs/1000 ft. (nominal)

Raychem

Raychem Corporation 300 Constitution Drive Menlo Park, California 94025 1-800-2 Raychem FAX: 1-415-362-6297

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HERIN. REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.