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

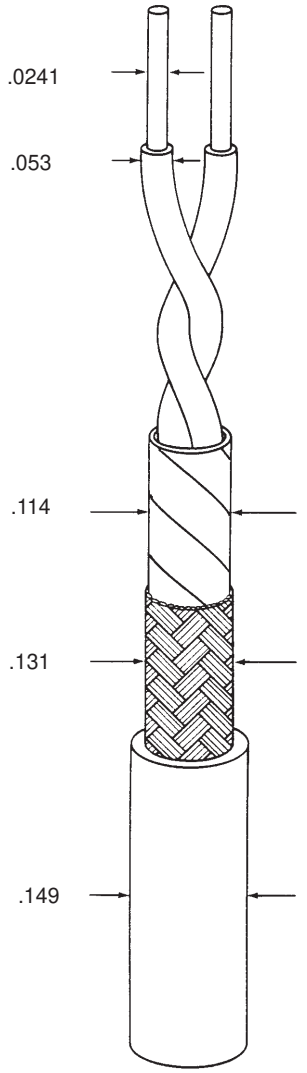
0024C8422

CHEMINAX	100 OHM, AWG 24, 7 STRANDS OF AWG 32, TWINAXIAL CABLE	Date	1-4-08
		Revision	A

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.



CONDUCTORS
AWG 24, 7 Strands of AWG 32, Silver-Coated Copper

DIELECTRICS
Rayfoam H
Colors - White/Light Blue

WRAP
Aluminum Polyester

SHIELD
AWG 38,
Silver-Coated Copper

JACKET
Modified FEP

Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 0024C8422-9X) 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.

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	100 ± 15 ohms from 1 MHz to 100 MHz per TIA 568
MUTUAL CAPACITANCE	13.0 pF/ft. at 1 KHz (nominal)
VELOCITY OF PROPAGATION	76% (nominal)

ADDITIONAL ELECTRICAL REQUIREMENTS ON PAGE 2

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	23.9 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms)
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-55°C/4.00 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms),1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in^2 (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in^2 (minimum)
JACKET THICKNESS	.009 inch (nominal)
SHIELD COVERAGE	95% (minimum)
WRAP	.002 inch thick (nominal) 25% overlap (minimum) Aluminum side facing out
WEIGHT	17.6 lbs/1000 ft. (nominal)

Tyco Electronics

Raychem Wire & Cable
501 Oakside Avenue
Redwood City, California 94063-3800
1-800-227-8816 Fax: 1-650-361-6297

TABLE I. ELECTRICAL PARAMETERS			
Frequency (MHz)	Insertion Loss dB/100m (maximum)	Return Loss dB/100m (minimum)	Propagation Delay ns/100m max
1.0	2.4	20.0	570
4.0	4.9	23.0	552
8.0	6.9	24.5	547
10.0	7.8	25.0	545
16.0	9.9	25.0	543
20.0	11.1	25.0	542
25.0	12.5	24.2	541
31.25	14.1	23.3	540
62.5	20.4	20.7	539
100.0	26.4	19.0	538

Note: Values are for reference only. Actual values shall be determined utilizing the formulas in ANSI/TIA-568-B.2.