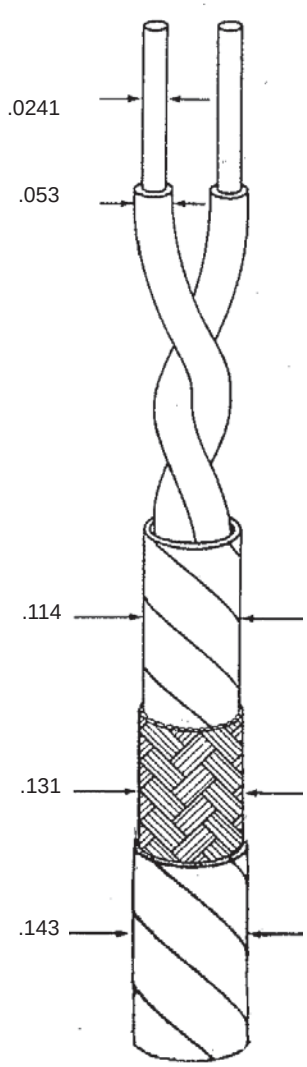
SPECIFICATION CONTROL DRAWING			0024C8922
CHEMINAX	100 OHM, AWG 24, 7 STRANDS OF AWG 32, TWINAXIAL CABLE	Date	9-17-13
		Revision	A

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

1st WRAP
Aluminum PET

SHIELD
AWG 38,
Silver-Coated Copper

2nd WRAP
Markable PET

Outer wrap color will be white (designated by a "-9" appended to the part number, e.g. 0024C8922-9).

Color code designator is indicated 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 ohms (nominal), Method D at 1 to 100 MHz
MUTUAL CAPACITANCE	13.0 pF/ft. (nominal) at 1 kHz
VELOCITY OF PROPAGATION	76% (nominal)

ADDITIONAL ELECTRICAL REQUIREMENTS - See page 2

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE (prior to cabling)	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)	1500 volts (rms)

PHYSICAL

INSULATION (DIELECTRIC) (prior to cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in^2 (minimum)
SHIELD COVERAGE	90% (minimum)
WRAP (1st)	.002 inch thick (nominal), 25% overlap (minimum), Aluminum side facing out
WRAP (2nd)	.0015 inch thick (nominal), 25% overlap (minimum)
WEIGHT	14.6 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.

Rayfoam, Cheminax, Raychem, TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks.

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

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

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TABLE I. ELECTRICAL PARAMETERS			
FREQUENCY (MHz)	INSERTION LOSS dB/100m (maximum)	RETURN LOSS dB/100m (minimum)	PROPAGATION DELAY ns/100m (maximum)
1.00	2.4	20.0	570
4.00	4.9	23.0	552
8.00	6.9	24.5	547
10.00	7.8	25.0	545
16.00	9.9	25.0	543
20.00	11.1	25.0	542
25.00	12.5	24.2	541
31.25	14.1	23.3	540
62.50	20.4	20.7	539
100.00	26.4	19.0	538

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