

SPECIFICATION CONTROL DRAWING

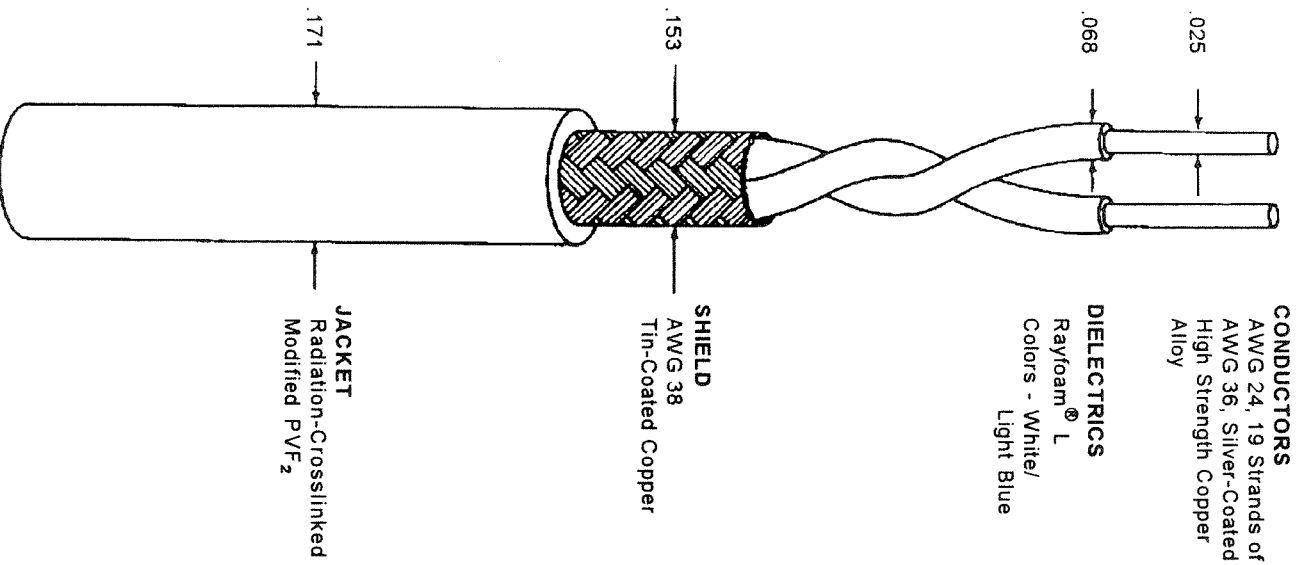
2024D0114

CHEMINAX120 OHM, AWG 24, RADIO FREQUENCY, 19 STRANDS
OF AWG 36, TWIN CONDUCTOR CABLEDate: 8-18-'99
Revision:

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.

**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE	120 ± 10 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	12.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	77% (nominal)

ADDITIONAL REQUIREMENTS**ELECTRICAL**

CONDUCTOR RESISTANCE	26.5 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0kV (rms), 60 Hz
IMPULSE TEST	6.0kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

ENVIRONMENTAL

AGING STABILITY	135°C/-55°C/4.50 inch mandrel
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/4.50 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lb/ft ² (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	4000 lb/ft ² (minimum)
JACKET THICKNESS	.009 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT	14.6 lbs/1000 ft. (nominal)
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Outer jacket will be white (designated by a "-9" appended to the part number, e.g., 2024D0114-9) unless otherwise specified.

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

RaychemRaychem Corporation
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1-800-2 Raychem Fax: 1-415-361-6297THIS SPECIFICATION SHEET TAKES PRECEDENCE
OVER DOCUMENTS REFERENCED HEREIN. REFERENCE
DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT
ON DATE OF INVITATION FOR BID.