SPECIFICATION CONTROL DRAWING 1522E0421

CHEMINAX

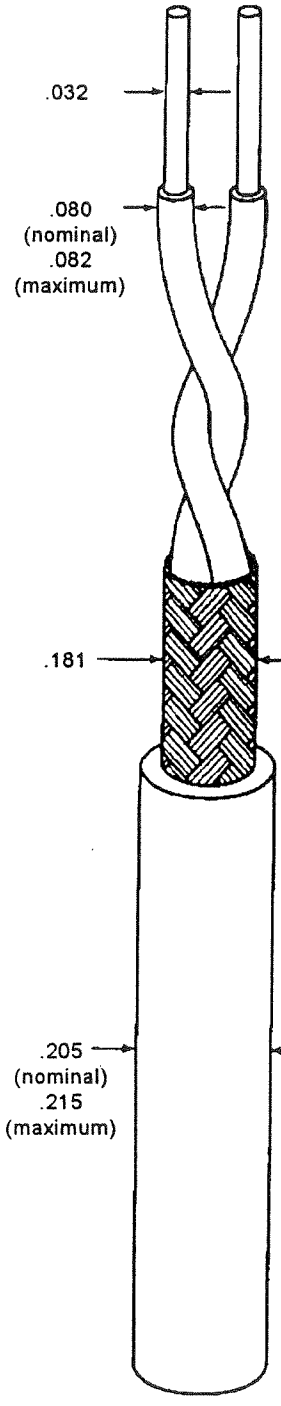
115 OHM, AWG 22, 19 STRANDS OF AWG 34,
TWIN CONDUCTOR COAXIAL CABLE

Date: 6-28-96
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 22, 19 Strands of AWG 34, Tin-Coated Copper

DIELECTRICS
Rayfoam® H
Colors - White/Light Blue

SHIELD
AWG 36
Tin-Coated Copper

JACKET
Modified FEP

Outer jacket will be transparent white (designated by a "-9X" appended to the part number, e.g., 1522E0421-9X) unless otherwise specified.

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

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	115 ohms (nominal), Method C, at 1 MHz
CAPACITANCE - MUTUAL	12.5 pF/ft. (nominal)
- GROUNDED	24.0 pF/ft. (nominal) conductor to shield
VELOCITY OF PROPAGATION	79% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	14.8 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms), 60 Hz
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

ENVIRONMENTAL

AGING STABILITY	135°C/-55°C/5.50 inch mandrel
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-55°C/5.50 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in² (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in² (minimum)
JACKET THICKNESS	.012 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT	25.9 lbs/1000 ft. (nominal)

Raychem

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