

SPECIFICATION CONTROL DRAWING

2022E0421

CHEMINAX

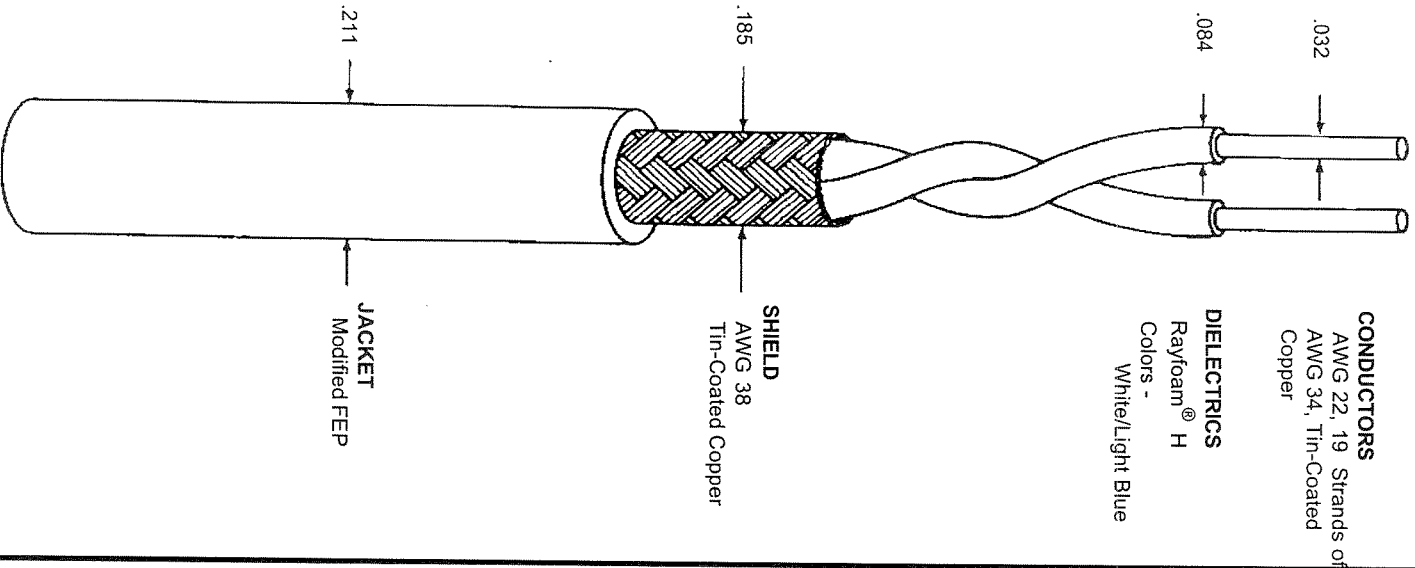
120 OHM, AWG 22, 19 STRANDS OF AWG 34,
TWIN CONDUCTOR COAXIAL CABLE

Date: 08-03-00
Revision: 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.



CONDUCTORS
AWG 22, 19 Strands of
AWG 34, Tin-Coated
Copper

DIELECTRICS
Rayfoam® H
Colors -
White/Light Blue

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	120 ± 18 ohms, Method C at 60 KHZ
CAPACITANCE - MUTUAL	12.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	77% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

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

ENVIRONMENTAL

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/6.00 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to cabling)	50% (minimum)
ELONGATION	600 lb/ft. ² (minimum)
TENSILE STRENGTH JACKET	200% (minimum)
ELONGATION	2000 lb/ft. ² (minimum)
TENSILE STRENGTH JACKET THICKNESS	.013 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT 27.8 lbs/1000 ft. (nominal)

Outer jacket will be transparent white (designated by a ".9X" appended to the part number, e.g., 2022E0421-9X) unless otherwise specified.
Designate outer jacket color with a dash number in accordance with MIL-STD-681.

Raychem

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