

CHEMINAX

SPECIFICATION CONTROL DRAWING

7528A1318

75 OHM, AWG 28, 7 STRANDS OF AWG 36,
COAXIAL CABLE

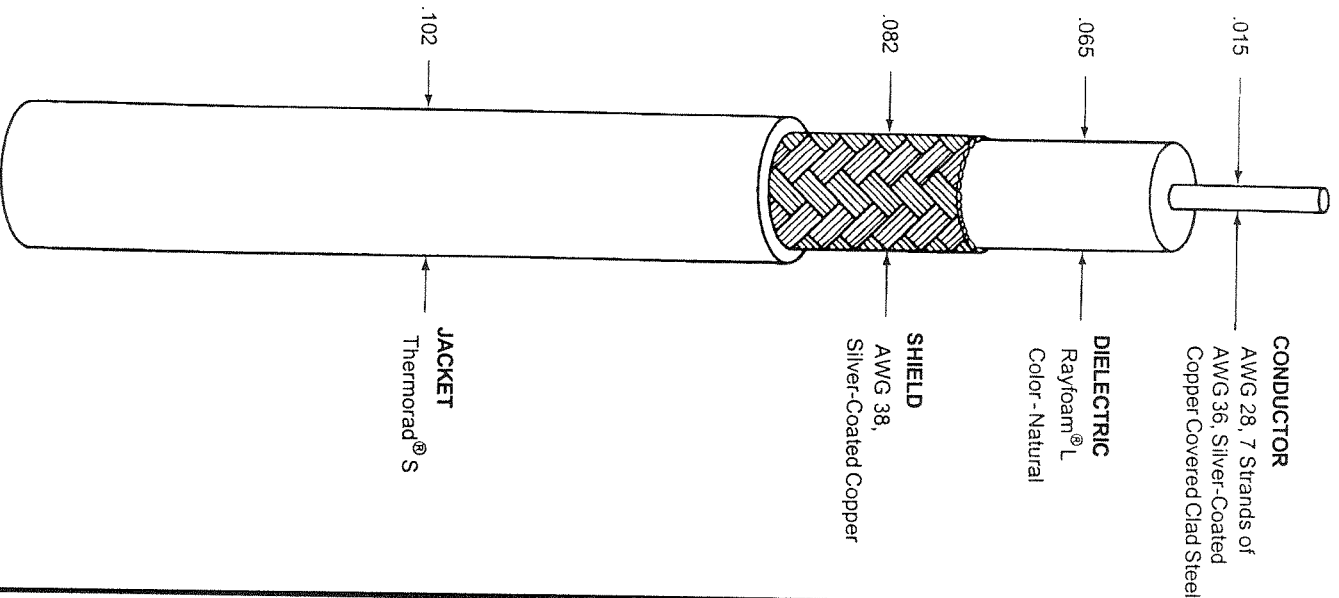
Date: 2-5-00
Revision: B

THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



| | |
|--------------------------|--------------------------------|
| CHARACTERISTIC IMPEDANCE | 75 ± 3 ohms, Method B |
| CAPACITANCE | 17.2 pF/ft. (nominal) at 1 KHz |
| VELOCITY OF PROPAGATION | 77% (nominal) |

ADDITIONAL REQUIREMENTS

| ELECTRICAL | |
|-----------------------------------|--|
| CONDUCTOR RESISTANCE | 150. 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 | |
| FLAMMABILITY | 135°C/-55°C/2.75inch mandrel Method C |
| HEAT SHOCK | 225°C |
| LOW TEMPERATURE- COLD BEND | -55°C/2.75inch mandrel |
| VOLTAGE WITHSTAND (POST ENVIRONMENTAL) | 1000 volts (rms), for 1 minute |

| PHYSICAL | |
|---------------------------------------|----------------------------------|
| INSULATION (DIELECTRIC) ELONGATION | 50% (minimum) |
| TENSILE STRENGTH | 1000lb/ft ² (minimum) |
| JACKET ELONGATION | 250% (minimum) |
| TENSILE STRENGTH | 2000lb/ft ² (minimum) |
| JACKET THICKNESS | .010 inch (nominal) |
| SHIELD COVERAGE | 90% (minimum) |

Outer jacket color will be black (designated by a "0" appended to the part number, e.g., 7528A1318-0) unless otherwise specified.

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

WEIGHT 6.9 lbs/1000 ft. (nominal)

Raychem

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