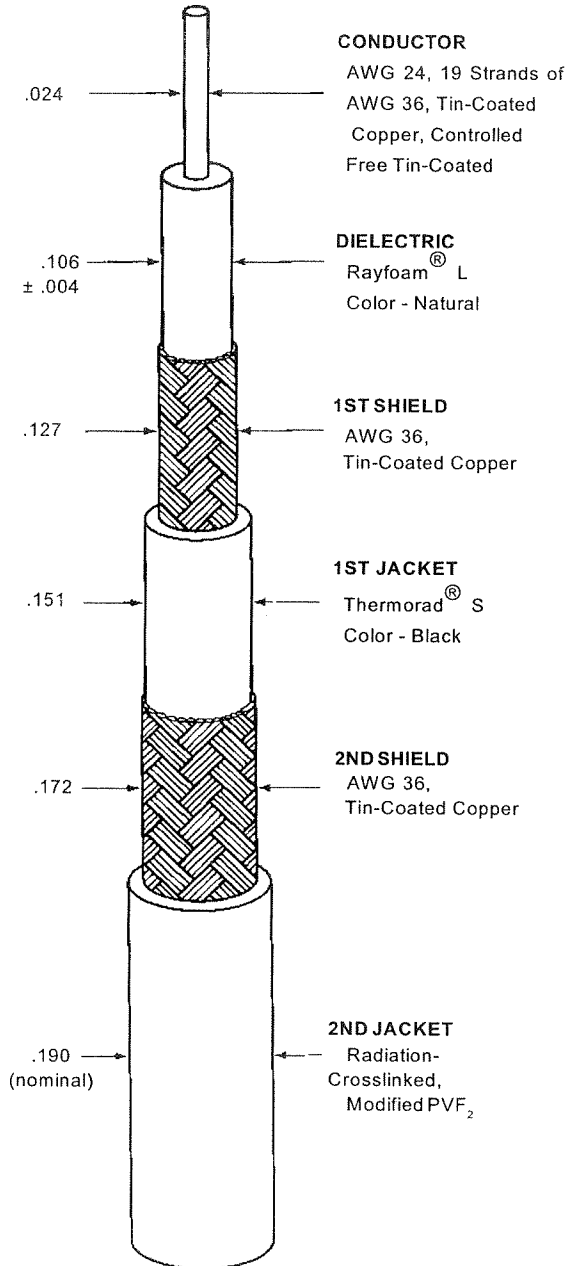


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



ELECTRICAL CHARACTERISTICS

| | |
|--------------------------|--|
| CHARACTERISTIC IMPEDANCE | 75 ± 3 ohms, Method B |
| CAPACITANCE | 17.4 pF/ft. (nominal) at 1 kHz 19.0 pF/ft. (maximum) at 1 kHz |
| VELOCITY OF PROPAGATION | 78% (nominal) |

ADDITIONAL REQUIREMENTS

ELECTRICAL

| | |
|---|---------------------------------------|
| CONDUCTOR RESISTANCE | 25.7 ohms/1000 ft. (nominal) |
| INSULATION RESISTANCE (CONDUCTOR TO SHIELD) | 10,000 megohms (minimum) for 1000 ft. |
| JACKET FLAWS | |
| SPARK TEST | 1.0 kV (rms) |
| IMPULSE TEST | 6.0 kV, (peak) |
| VOLTAGE WITHSTAND (DIELECTRIC) | |
| CONDUCTOR TO SHIELD | 1000 volts (rms) (minimum) |
| SHIELD TO SHIELD | 500 volts (rms) (minimum) |

ENVIRONMENTAL

| | |
|--|----------------------------|
| FLAMMABILITY | Method B |
| HEAT SHOCK | 225°C |
| LOW TEMPERATURE- COLD BEND | -55°C/5.00 inch mandrel |
| VOLTAGE WITHSTAND (POST ENVIRONMENTAL) | 1000 volts (rms), 1 minute |

PHYSICAL

| | |
|--------------------------------------|------------------------------------|
| CONDUCTOR FREE TIN-COATING THICKNESS | 40 micro inches (minimum) |
| INSULATION (DIELECTRIC) ELONGATION | 50% (minimum) |
| TENSILE STRENGTH | 1000 lbf/in ² (minimum) |
| 1ST JACKET ELONGATION | 250% (minimum) |
| TENSILE STRENGTH | 2000 lbf/in ² (minimum) |
| 2ND JACKET ELONGATION | 200% (minimum) |
| TENSILE STRENGTH | 4000 lbf/in ² (minimum) |
| 1ST JACKET THICKNESS | .012 inch (nominal) |
| 2ND JACKET THICKNESS | .009 inch (nominal) |
| SHIELD COVERAGE (EACH) | 90% (minimum) |

| | |
|--------|-----------------------------|
| WEIGHT | 29.1 lbs/1000 ft. (nominal) |
|--------|-----------------------------|

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7524D5110-9) unless otherwise specified.

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