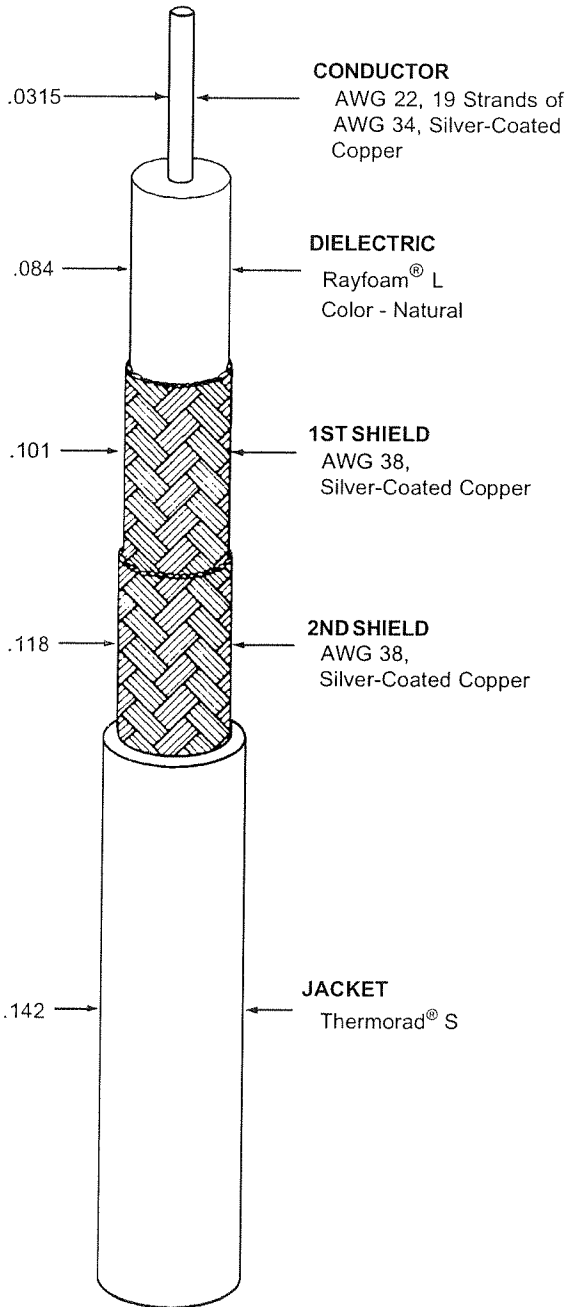


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



ELECTRICAL CHARACTERISTICS

| | |
|--------------------------|-----------------------|
| CHARACTERISTIC IMPEDANCE | 50 ± 2 ohms, Method A |
| CAPACITANCE | 26.7 pF/ft. (nominal) |
| VELOCITY OF PROPAGATION | 76% (nominal) |

ADDITIONAL REQUIREMENTS

ELECTRICAL

| | |
|--------------------------------|---------------------------------------|
| CONDUCTOR RESISTANCE | 14.4 ohms/1000 ft. (nominal) |
| INSULATION RESISTANCE | 10,000 megohms (minimum) for 1000 ft. |
| JACKET FLAWS | |
| SPARK TEST | 1.0 kV (rms) |
| IMPULSE TEST | 6.0 kV (peak) |
| VOLTAGE WITHSTAND (DIELECTRIC) | 1000 volts (rms), (minimum) |

ENVIRONMENTAL

| | |
|--|----------------------------|
| FLAMMABILITY | Method C |
| HEAT SHOCK | 225°C |
| LOW TEMPERATURE-COLD BEND | -55°C/4.00 inch mandrel |
| VOLTAGE WITHSTAND (POST ENVIRONMENTAL) | 1000 volts (rms), 1 minute |

PHYSICAL

| | |
|-------------------------|------------------------------------|
| INSULATION (DIELECTRIC) | |
| ELONGATION | 50% (minimum) |
| TENSILE STRENGTH | 1000 lbf/in ² (minimum) |
| JACKET | |
| ELONGATION | 250% (minimum) |
| TENSILE STRENGTH | 2000 lbf/in ² (minimum) |
| JACKET THICKNESS | .012 inch (nominal) |
| SHIELD COVERAGE (EACH) | 90% (minimum) |

| | |
|--------|-----------------------------|
| WEIGHT | 17.2 lbs/1000 ft. (nominal) |
|--------|-----------------------------|

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 5022A3312-0) unless otherwise specified.

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

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