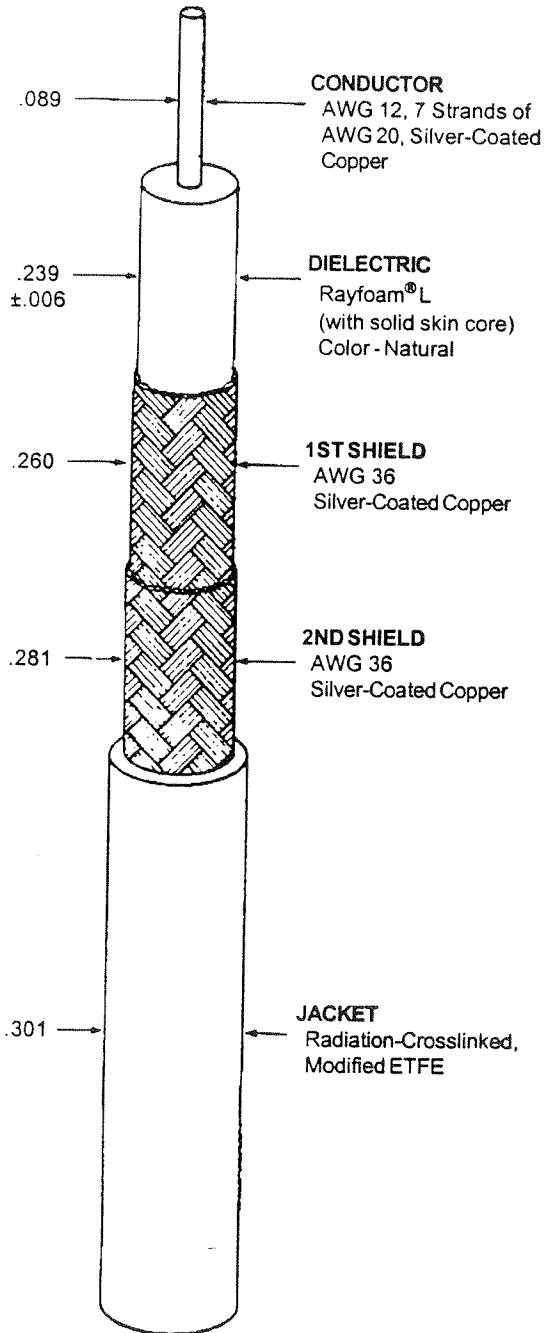


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



Outer jacket color will be black (designated by a "-0" appended to a part number, e.g., 5012H3012-0) unless otherwise specified.

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

ELECTRICAL CHARACTERISTICS

| | |
|--------------------------|-------------------------------------|
| CHARACTERISTIC IMPEDANCE | 50 ± 2 ohms, Method A |
| CAPACITANCE | 25.0 pF/ft. (minimum) |
| VELOCITY OF PROPAGATION | 77% (nominal) |
| ATTENUATION | 6.2 dB/100 ft. (maximum) at 400 MHz |

ADDITIONAL REQUIREMENTS

ELECTRICAL

| | |
|--------------------------------|---|
| CONDUCTOR RESISTANCE | 1.7 ohms/1000ft. (nominal) |
| INSULATION RESISTANCE | 10,000 megohms (minimum) for 1000ft. |
| JACKET FLAWS | 1.0 kV (rms), 60 Hz |
| VOLTAGE WITHSTAND (DIELECTRIC) | 1000 volts (rms) (minimum) |
| SHIELD RESISTANCE | 2.2 ohms/1000ft. (nominal) |
| VSWR | FREQUENCY (Mhz) STRUCTURAL RETURN LOSS (db) |
| | 2.8 - 24 15.6 (minimum) |
| | 108 - 136 15.6 (minimum) |
| | 960 - 1215 15.6 (minimum) |
| | 4200 - 4400 14.0 (minimum) |
| | When terminated with approved connectors |

ENVIRONMENTAL

| | |
|--|--|
| AGING STABILITY | 135°C/-55°C/8.00 inch mandrel |
| FLAMMABILITY | Method B |
| HEAT SHOCK | 225°C |
| LOW TEMPERATURE-COLD BEND | -55°C/8.00 inch mandrel |
| SKYDROL RESISTANCE | 24 hours at 50 ± 1°C, change in O.D. of 5% (maximum) |
| VOLTAGE WITHSTAND (POST ENVIRONMENTAL) | 1000 volts (rms), 1 minute |

PHYSICAL

| | |
|---------------------------------------|------------------------------------|
| INSULATION (DIELECTRIC) ELONGATION | 50% (minimum) |
| TENSILE STRENGTH | 800 lbf/in ² (minimum) |
| JACKET ELONGATION | 50% (minimum) |
| TENSILE STRENGTH | 5000 lbf/in ² (minimum) |
| JACKET THICKNESS | .010 inch (nominal) |
| SHIELD COVERAGE (EACH) | 90% (minimum) |
| INSULATION (DIELECTRIC) CONCENTRICITY | 75% (minimum) |

PRODUCT IDENTIFICATION: The cable shall be marked in a contrasting color at 6 inch (nominal) intervals between marks as follows:
"5012H3012-06090"

Replaces EPD 5883

WEIGHT 67.9 lbs/1000 ft. (nominal)