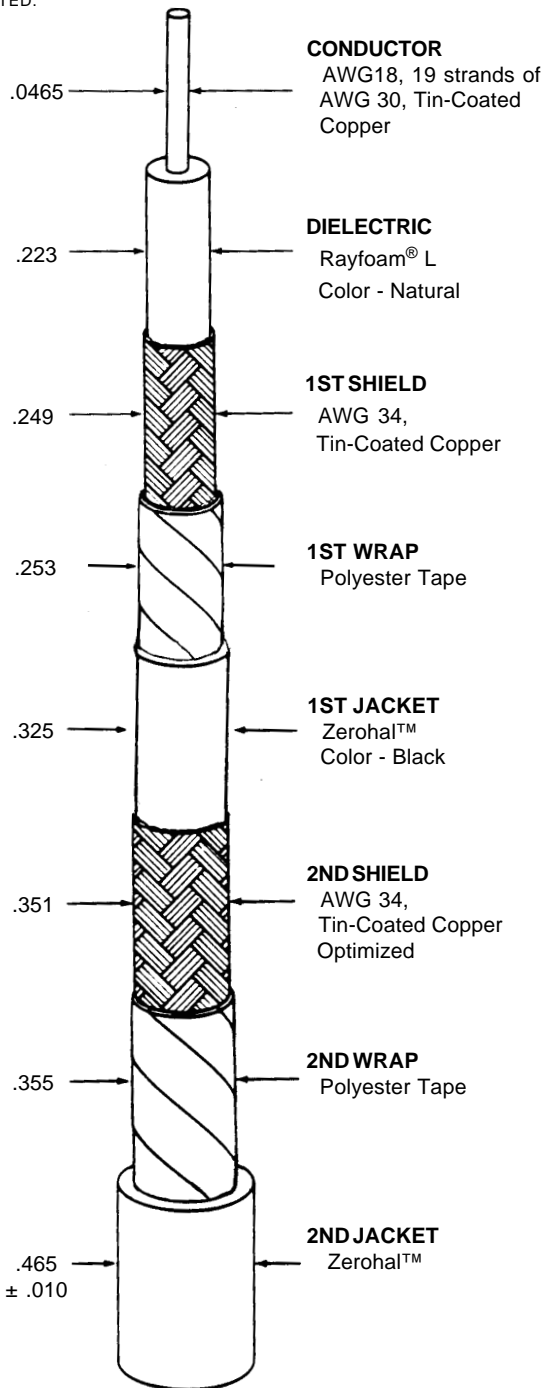


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



| | |
|----------------------------|--|
| CHARACTERISTIC IMPEDANCE | 75 ± 3 ohms, Method B |
| CAPACITANCE | 17.9 pF/ft. (nominal) |
| VELOCITY OF PROPAGATION | 76% (nominal) |
| SURFACE TRANSFER IMPEDANCE | 700 milliohms/meter (maximum) at 0.1 MHz - 1 GHz |
| EMP RESPONSE | 60 dB (minimum) for 1 meter |
| ATTENUATION | 1.1 dB/100 ft. (maximum) at 10 MHz 2.9 dB/100 ft. (maximum) at 100 MHz 6.0 dB/100 ft. (maximum) at 400 MHz |

ADDITIONAL REQUIREMENTS

| | |
|--|---|
| <u>ELECTRICAL</u> | |
| CONDUCTOR RESISTANCE | 6.23 ohms/1000 ft. (nominal) |
| INSULATION RESISTANCE (DIELECTRIC) | 10,000 megohms (minimum) |
| 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) |
| <u>ENVIRONMENTAL</u> | |
| FLAMMABILITY | Method B |
| HEAT SHOCK | 225°C |
| LOW TEMPERATURE- COLD BEND | -30°C/12.00 inch mandrel |
| VOLTAGE WITHSTAND (POST ENVIRONMENTAL) | 1000 volts (rms), 1 minute |
| <u>PHYSICAL</u> | |
| INSULATION (DIELECTRIC) | |
| ELONGATION | 50% (minimum) |
| TENSILE STRENGTH | 1000 lbf/in ² (minimum) |
| JACKET (EACH) | |
| ELONGATION | 150% (minimum) |
| TENSILE STRENGTH | 1200 lbf/in ² (minimum) |
| 1ST JACKET THICKNESS | .036 inch (nominal) |
| 2ND JACKET THICKNESS | .055 inch (nominal) |
| SHIELD COVERAGE (1ST) | 85% (minimum) |
| WRAP (EACH) | .001 inch thick (nominal), 25% overlap (minimum) |
| WEIGHT | 136. lbs/1000 ft. (nominal) |

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 7518A0811-0) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.

Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.



Raychem
Wire & Cable

501 Oakside Avenue
Redwood City, California 94063-3800
1-800-227-8816 Fax: 1-650-361-6297

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