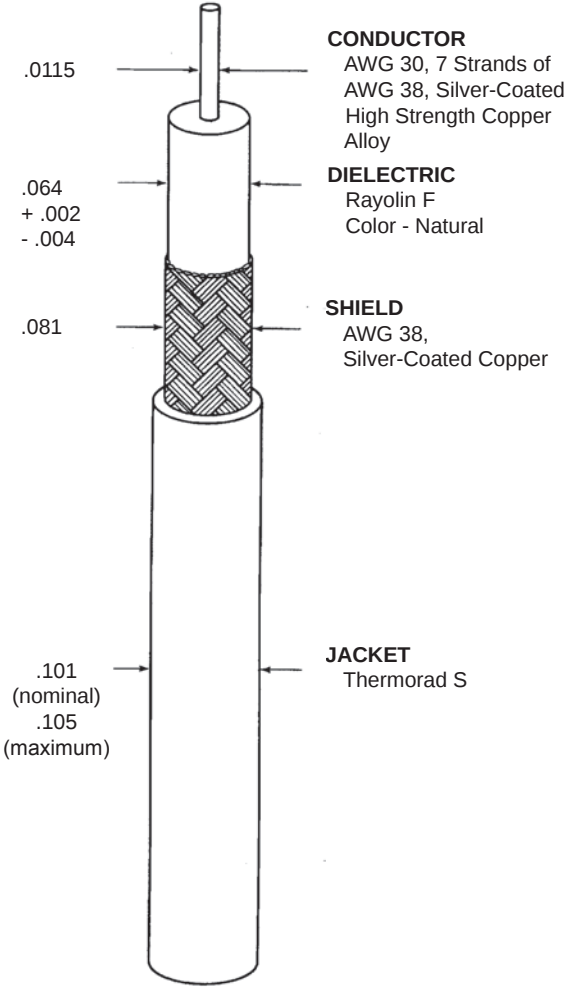


| SPECIFICATION CONTROL DRAWING                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |                                                                | 7530R1334 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|-----------|
| CHEMINAX                                                                                                                                                                                                                                                                                                                                                                                                                               | 75 OHM, AWG 30, 7 STRANDS OF AWG 38, COAXIAL CABLE | Date                                                           | 7-13-09   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    | Revision                                                       | A         |
| THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.                                                                                                                                                                                                                                                                                                                                               |                                                    |                                                                |           |
| CONSTRUCTION DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                    | ELECTRICAL CHARACTERISTICS                                     |           |
| <p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p>  <p><b>CONDUCTOR</b><br/>AWG 30, 7 Strands of<br/>AWG 38, Silver-Coated<br/>High Strength Copper<br/>Alloy</p> <p><b>DIELECTRIC</b><br/>Rayolin F<br/>Color - Natural</p> <p><b>SHIELD</b><br/>AWG 38,<br/>Silver-Coated Copper</p> <p><b>JACKET</b><br/>Thermorad S</p> |                                                    | CHARACTERISTIC IMPEDANCE 75 ± 3 ohms, Method B                 |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    | CAPACITANCE 20.5 pF/ft. (nominal)<br>23.0 pF/ft. (maximum)     |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    | VELOCITY OF PROPAGATION 66% (nominal)                          |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    | ADDITIONAL REQUIREMENTS                                        |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    | ELECTRICAL                                                     |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    | CONDUCTOR RESISTANCE 115. ohms/1000 ft. (nominal)              |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    | INSULATION RESISTANCE 10,000 megohms (minimum)<br>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/2.75 inch mandrel                                                                                                                                                                                                                                                                                                                                                                                      |                                                    |                                                                |           |
| VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute                                                                                                                                                                                                                                                                                                                                                                      |                                                    |                                                                |           |
| PHYSICAL                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                                                                |           |
| INSULATION (DIELECTRIC)                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |                                                                |           |
| ELONGATION 200% (minimum)                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |                                                                |           |
| TENSILE STRENGTH 1800 lbf/in <sup>2</sup> (minimum)                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                                                |           |
| JACKET                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |                                                                |           |
| ELONGATION 200% (minimum)                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |                                                                |           |
| TENSILE STRENGTH 2000 lbf/in <sup>2</sup> (minimum)                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                                                |           |
| JACKET THICKNESS .010 inch (nominal)                                                                                                                                                                                                                                                                                                                                                                                                   |                                                    |                                                                |           |
| SHIELD COVERAGE 90% (minimum)                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |                                                                |           |
| WEIGHT 7.2 lbs/1000 ft. (nominal)                                                                                                                                                                                                                                                                                                                                                                                                      |                                                    |                                                                |           |
| Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 7530R1334-0) 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.                                                                                                                           |                                                    |                                                                |           |
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THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.