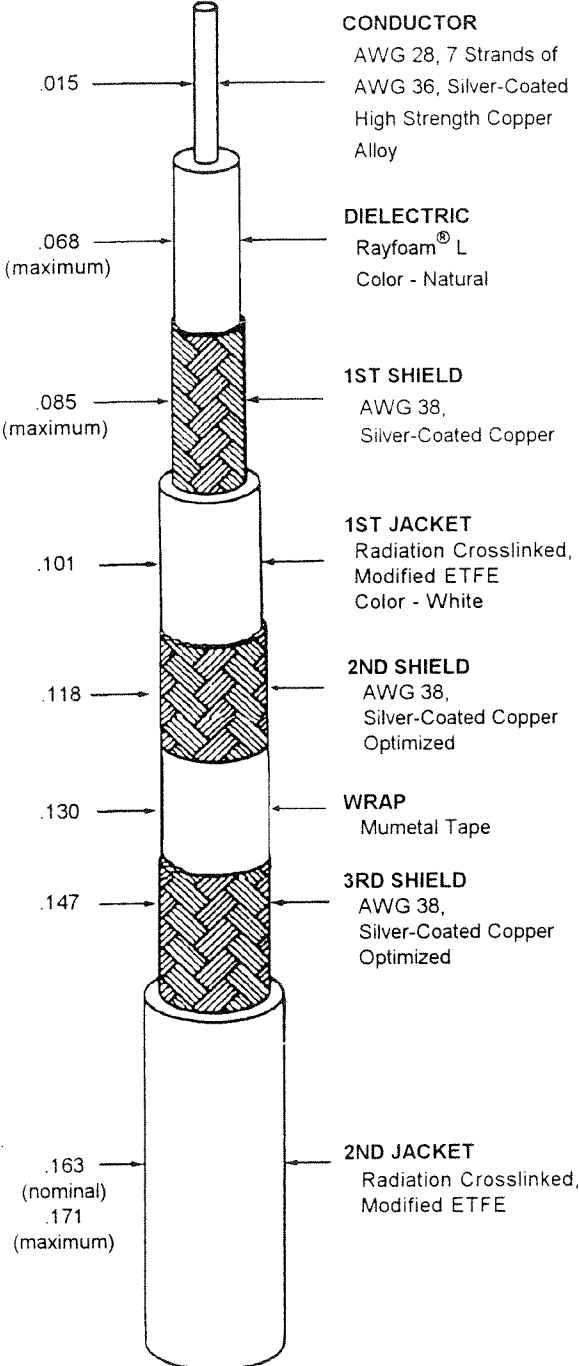


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS
<p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p>  <p>CONDUCTOR AWG 28, 7 Strands of AWG 36, Silver-Coated High Strength Copper Alloy</p> <p>DIELECTRIC Rayfoam® L Color - Natural</p> <p>1ST SHIELD AWG 38, Silver-Coated Copper</p> <p>1ST JACKET Radiation Crosslinked, Modified ETFE Color - White</p> <p>2ND SHIELD AWG 38, Silver-Coated Copper Optimized</p> <p>WRAP Mumetal Tape</p> <p>3RD SHIELD AWG 38, Silver-Coated Copper Optimized</p> <p>2ND JACKET Radiation Crosslinked, Modified ETFE</p>	<p>CHARACTERISTIC IMPEDANCE 75 ± 5 ohms, Method B</p> <p>CAPACITANCE 17.1 pF/ft. (nominal) at 1 kHz 19.5 pF/ft. (maximum) at 1 kHz</p> <p>VELOCITY OF PROPAGATION 79% (nominal)</p> <p>SURFACE TRANSFER IMPEDANCE 1.99 milliohms/meter (maximum) (per MIL-C-85485) at 500 MHz</p>
<p>Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7528F8614-9) unless otherwise specified.</p> <p>Designate outer jacket color with a dash number in accordance with MIL-STD-681.</p>	<p>ADDITIONAL REQUIREMENTS</p> <p><u>ELECTRICAL</u></p> <p>CONDUCTOR RESISTANCE 74.0 ohms/1000 ft. (nominal)</p> <p>INSULATION RESISTANCE (CONDUCTOR TO SHIELD) 10,000 megohms (minimum) for 1000 ft.</p> <p>JACKET FLAWS</p> <p>SPARK TEST 1.0 kV (rms), 60 Hz</p> <p>IMPULSE TEST 6.0 kV, (peak)</p> <p>VOLTAGE WITHSTAND (DIELECTRIC)</p> <p>CONDUCTOR TO SHIELD 1500 volts (rms) (minimum)</p> <p>1st SHIELD TO 2nd SHIELD 500 volts (rms) (minimum)</p> <p><u>ENVIRONMENTAL</u></p> <p>AGING STABILITY 135°C/-55°C/4.25 inch mandrel</p> <p>FLAMMABILITY Method B</p> <p>HEAT SHOCK 225°C</p> <p>LOW TEMPERATURE- COLD BEND -55°C/4.25 inch mandrel</p> <p>VOLTAGE WITHSTAND (POST ENVIRONMENTAL) 1000 volts (rms), 1 minute</p> <p><u>PHYSICAL</u></p> <p>INSULATION (DIELECTRIC)</p> <p>ELONGATION 50% (minimum)</p> <p>TENSILE STRENGTH 800 lbf/in² (minimum)</p> <p>JACKET (EACH)</p> <p>ELONGATION 50% (minimum)</p> <p>TENSILE STRENGTH 5000 lbf/in² (minimum)</p> <p>JACKET THICKNESS (EACH) .006 inch (minimum) .008 inch (nominal)</p> <p>SHIELD COVERAGE (1ST) 90% (minimum)</p> <p>WRAP .002 inch thick (nominal), 25% (minimum) overlap</p> <p>WEIGHT 29.4 lbs/1000 ft. (nominal)</p>