

CHEMINAX100 OHMS, AWG 28, 7 STRANDS OF AWG 36,
TWIN CONDUCTOR CABLE, OUTER SPACE

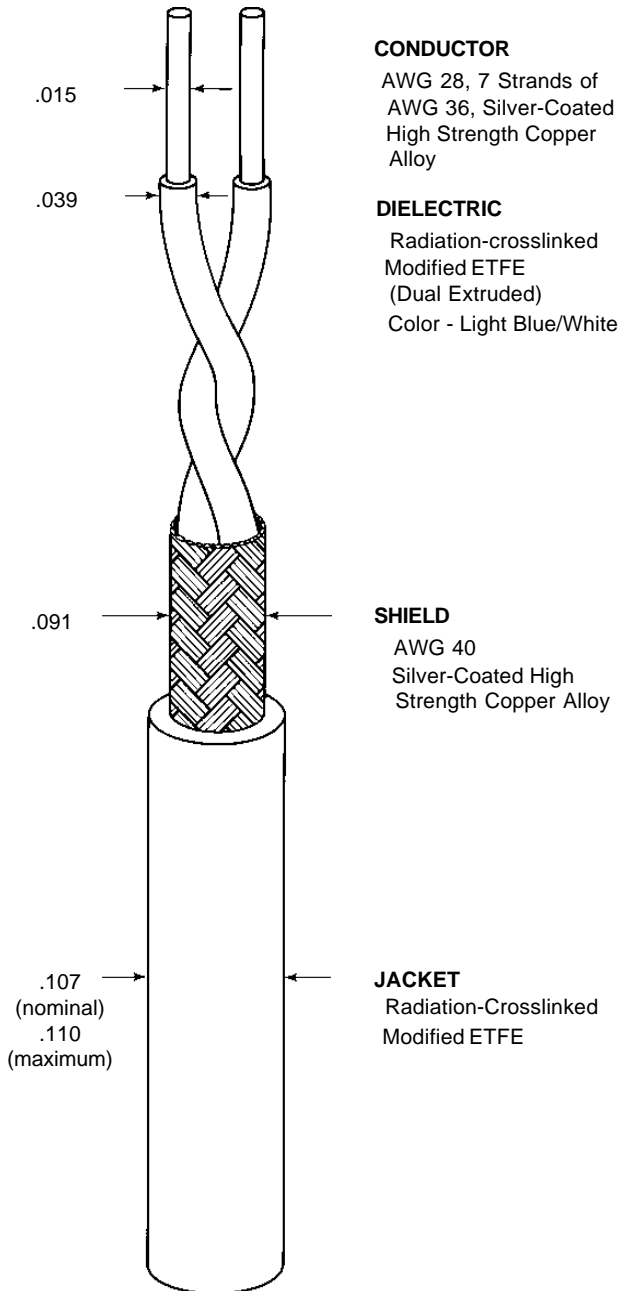
Date: 12-13-06

Revision: D

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.



Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0028A1664-9) 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.

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| CHARACTERISTIC IMPEDANCE | 100 ± 10 ohms, Method D at 1 MHz |
| CAPACITANCE - MUTUAL | 18.7 pF/ft. (nominal) |
| ATTENUATION | 1.5 dB/100 ft (nominal) at 1 MHz |

ADDITIONAL REQUIREMENTS**COMPONENT WIRE PRIOR TO CABLING (Test Procedures per SAE AS22759)**

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| CROSSLINK PROOF | 300 ± 3°C for 1 hours, .500 inch mandrel, .375 lb., 2.5 kV dielectric test |
| LOW TEMPERATURE COLD BEND | -65 ± 2°C for 4 hours, .375 inch mandrel, .500 lb., 2.5 kV dielectric test |
| SHRINKAGE | 200 ± 3°C for 1 hours, .125 inch (maximum) in 12 inches |
| INSULATION RESISTANCE | 5000 megohms for 1000 ft. (minimum) |
| INSULATION (DIELECTRIC) TENSILE STRENGTH | 5000 lbf/in ² (minimum) |
| ELONGATION | 50% (minimum) |
| INSULATION FLAWS | |
| SPARK TEST | 3.0 kV (rms) |
| PULSE TEST | 8.0 kV (peak) |

FINISHED CABLE (Test Procedures per NEMA WC27500)

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| BLOCKING | 200°C for 6 hours |
| LOW TEMPERATURE COLD BEND | -55 ± 5°C for 4 hours, 3.0 inch mandrel |
| CROSSLINKED VERIFICATION | 300 ± 5°C for 6 hours, 3.0 inch mandrel |
| FLAMMABILITY (Method B of Spec 1200) | 3 seconds (maximum); 3.0 inches (maximum), no flaming of facial tissue |
| JACKET FLAWS | |
| SPARK TEST | 1.0 kV (rms) |
| PULSE TEST | 6.0 kV (peak) |
| JACKET TENSILE STRENGTH | 5000 lbf/in ² (minimum) |
| ELONGATION | 50% (minimum) |
| SHIELD COVERAGE | 90% (minimum) |
| WALL THICKNESS | .008 (nominal) |
| VOLTAGE WITHSTAND (DIELECTRIC) | 1500 volts (rms) |
| WEIGHT | 7.6 lbs/1000 ft. (nominal) |

OUTER SPACE REQUIREMENTS

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|-------------------------------------|--------------------------------|
| RADIATION RESISTANCE | 500 megorads/3.25 inch mandrel |
| VACUUM STABILITY | |
| TOTAL MASS LOSS (TML) | 1.0% (maximum) |
| VOLATILE CONDENSABLE MATERIAL (VCM) | 0.1% (maximum) |
| WEIGHT LOSS: (Test per Spec 55/) | 0.45% (maximum) |

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.

tyco
Electronics

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.