

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

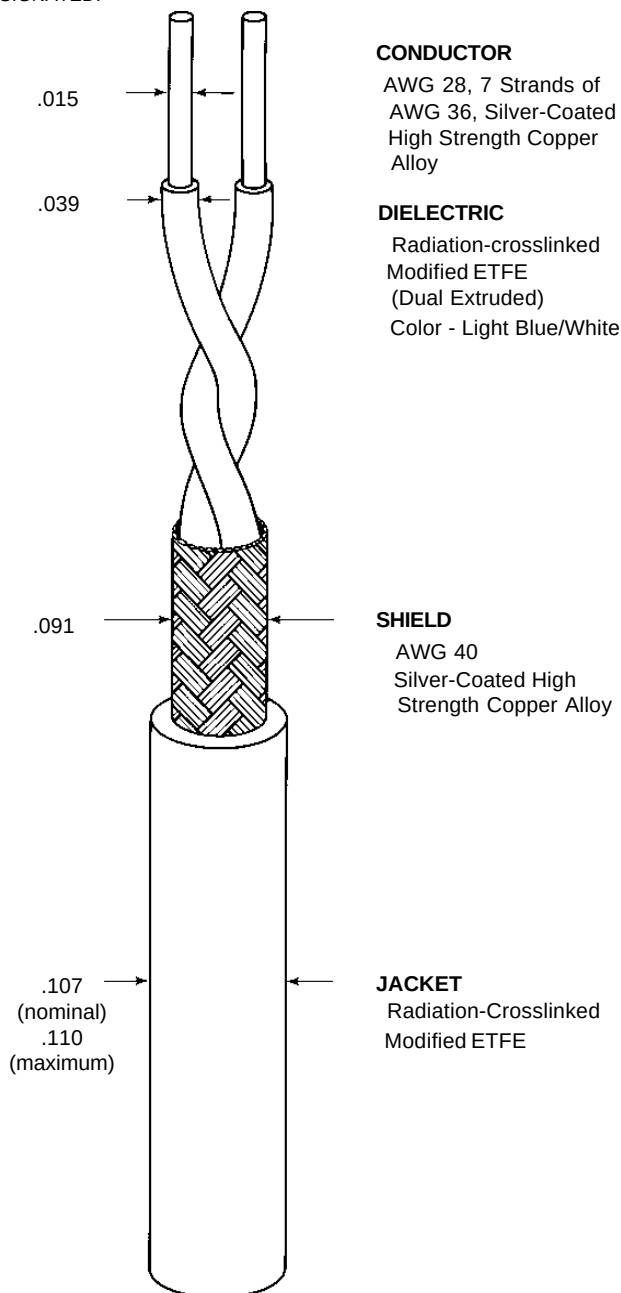
Date: 12-13-06

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.

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)**

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)

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

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 Oaks 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.