CHEMINAX

100 OHMS, AWG 26, 19 STRANDS OF AWG 38, TWIN CONDUCTOR CABLE

Date: 10-16-06

Revision: A

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 CHARACTERISTIC IMPEDANCE 100 ± 10 ohms, Method D at 1 MHz DESIGNATED. CAPACITANCE - MUTUAL 16.0 pF/ft. (nominal) CONDUCTOR AWG 26, 19 Strands of .020 AWG 38, Silver-Coated **ADDITIONAL** REQUIREMENTS High Strength Copper Alloy COMPONENT WIRE PRIOR TO CABLING (Test Procedures per SAE AS22759) .060 DIELECTRIC Radiation-crosslinked CROSSLINK PROOF $300 \pm 3^{\circ}$ C for 1 hour, .750 inch mandrel, Modified ETFE .625 lb., 2.5 kV dielectric test (Dual Extruded) LOW TEMPERATURE -65 ± 2°C for 4 hours, .500 inch mandrel, Color - Light Blue/White COLD BEND .500 lb., 2.5 kV dielectric test **SHRINKAGE** $200 \pm 3^{\circ}$ C for 1 hours. .125 inch (maximum) in 12 inches INSULATION RESISTANCE 5000 megohms for 1000 ft. (minimum) INSULATION (DIELECTRIC) (total insulation) TENSILE STRENGTH 5000 lbf/in2 (minimum) **ELONGATION** 50% (minimum) INSULATION FLAWS SPARK TEST 3.0 kV (rms) IMPULSE TEST 8.0 kV (peak) **SHIELD** .137 **AWG 38** Tin-Coated Copper FINISHED CABLE (Test Procedures per NEMA WC27500) **BLOCKING** 200°C for 6 hours LOW TEMPERATURE -55 ± 5°C for 4 hours, 6.0 inch mandrel COLD BEND CROSSLINKED VERIFICATION 300 ± 5°C for 6 hours, 6.0 inch mandrel **FLAMMABILITY** 3 seconds (maximum); 3.0 inches (maximum), no flaming of facial tissue (Method B of Spec 1200) JACKET FLAWS SPARK TEST 1.0 kV (rms) **JACKET** IMPULSE TEST 6.0 kV (peak) .153 Radiation-Crosslinked **JACKET** Modified ETFE TENSILE STRENGTH 5000 lbf/in2 (minimum) **ELONGATION** 50% (minimum) JACKET THICKNESS .005 (minimum)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0026A1664-9) 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.

WEIGHT 14.6 lbs/1000 ft. (nominal)

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.

SHIELD COVERAGE

(DIELECTRIC)

VOLTAGE WITHSTAND





.008 (nominal)

90% (minimum)

1500 volts (rms)