SPECIFICATION CONTROL DRAWING 0026A1964

CHEMINAX

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

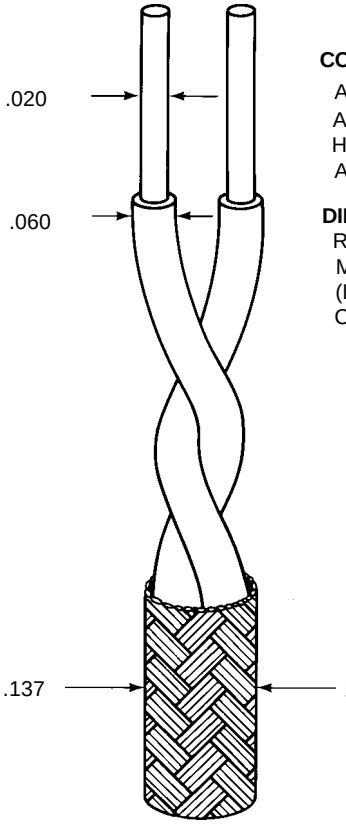
Date: 7-7-06

Revision: A

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

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



CONDUCTOR
AWG 26, 19 Strands of AWG 38, Silver-Coated High Strength Copper Alloy

DIELECTRIC
Radiation-Crosslinked Modified ETFE (Dual Extruded)
Colors - Light Blue/White

SHIELD
AWG 38
Tin-Coated Copper

Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	100 ± 10 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	16.0 pF/ft. (nominal)

ADDITIONAL REQUIREMENTS

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

CROSSLINK PROOF	300 ± 3°C for 1 hour, .750 inch mandrel, .625 lb., 2.5 kV dielectric test
LOW TEMPERATURE COLD BEND	-65 ± 2°C for 4 hours, .500 inch mandrel, .500 lb., 2.5 kV dielectric test
SHRINKAGE	200 ± 3°C for 1 hour, .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)

FINISHED CABLE (Test Procedures per NEMA WC27500)

SHIELD COVERAGE	90% (minimum)
VOLTAGE WITHSTAND (DIELECTRIC)	1500 volts (rms)
WEIGHT	11.6 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.

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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.

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