SPECIFICATION CONTROL DRAWING

0026S1664

CHEMINAX

.0200

.060

.137

.153

100 OHM, AWG 26, 19 STRANDS OF AWG 38, TWINAXIAL CABLE, OUTER SPACE USE

12-11-08 Date С Revision

100 ± 10 ohms, Method D at 1 MHz

16.0 pF/ft. (nominal)

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



High Strength Copper Allov

DIELECTRICS

Radiation-Crosslinked. Modified ETFE

Colors - Light Blue/White

(Dual Extruded)

SHIELD AWG 38.

Silver-Coated Copper

JACKET

Radiation-Crosslinked. Modified ETFE

ADDITIONAL REQUIREMENTS

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

CROSSLINK PROOF 300 ± 3°C for 1 hour. .750 inch mandrel.

INSULATION (DIELECTRIC)

CHARACTERISTIC IMPEDANCE

MUTUAL CAPACITANCE

(Total Insulation)

ELONGATION 50% (minimum) TENSILE STRENGTH 5000 lbf/in2 (minimum) **INSULATION FLAWS**

3.0 kV (rms) SPARK TEST **IMPULSE TEST** 8.0 kV (peak)

INSULATION RESISTANCE 5000 megohms for 1000 ft. (minimum) LOW TEMPERATURE-COLD BEND -65 ± 3°C for 4 hours, .500 inch mandrel,

.500 lb., 2.5 kV dielectric test

.625 lb., 2.5 kV dielectric test

SHRINKAGE 200 ± 3°C for 1 hour,

.125 inch (maximum) in 12 inches

FINISHED CABLE

(Test Procedures per NEMA WC 27500, unless otherwise specified)

BLOCKING 200°C for 6 hours CROSSLINKED VERIFICATION

300 ± 5°C for 6 hours, 6.00 inch mandrel FLAMMABILITY 3 seconds (maximum); 3 inches (maximum);

no flaming of facial tissue (Method B of Spec 1200)

JACKET

ELONGATION 50% (minimum) TENSILE STRENGTH 5000 lbf/in2 (minimum)

JACKET FLAWS

SPARK TEST 1.0 kV (rms) **IMPULSE TEST** 6.0 kV (peak)

.005 inch (minimum), .008 inch (nominal) JACKET THICKNESS LOW TEMPERATURE-COLD BEND

-55 ± 5°C for 4 hours, 6.00 inch mandrel SHIELD COVERAGE 90% (minimum) 1500 volts (rms)

VOLTAGE WITHSTAND (DIELECTRIC)

14.6 lbs/1000 ft. (nominal) WEIGHT

OUTER SPACE REQUIREMENTS

RADIATION RESISTANCE 500 megarads/4.50 inch mandrel

1.0 kV dielectric test

VACUUM STABILITY

TOTAL MASS LOSS (TML) 1.00% (maximum) **VOLATILE CONDENSABLE** 0.10% (maximum) MATERIAL (VCM)

WEIGHT LOSS (Test per Spec 55/): 0.45% (maximum)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0026S1664-9) 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.

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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