SPECIFICATION CONTROL DRAWING

CHEMINAX

DESIGNATED

.0400

.082

.055

.181

199

.216

.234

77 OHM, AWG 20, 19 STRANDS OF AWG 32, DATA BUS CABLE

8-20-12 Date Revision

7720C5662

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

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE

CHARACTERISTIC IMPEDANCE

77 ± 5 ohms, Method C at 1 MHz

MUTUAL CAPACITANCE

30 pF/ft. (maximum)

ATTENUATION

1.0 dB/100 ft. (nominal) at 1 MHz

CONDUCTORS

AWG 20, 19 Strands of AWG 32, Silver-Coated Copper

DIELECTRICS

Radiation-Crosslinked, Modified ETFE Colors - Light Blue / White

FILLERS

Radiation-Crosslinked, Modified ETFE

1st SHIELD

AWG 38. Silver-Coated Copper

1st JACKET

Radiation-Crosslinked, Modified ETFE

2nd SHIELD

2nd JACKET

Modified ETFE

AWG 38.

Silver-Coated Copper

Radiation-Crosslinked,

FLAMMABILITY

(Method B of Spec 1200) **JACKET**

CROSSLINKED VERIFICATION

ELONGATION TENSILE STRENGTH JACKET FLAWS

SPARK TEST

IMPULSE TEST JACKET THICKNESS (each) LOW TEMPERATURE-COLD BEND

SHIELD COVERAGE (each)

VOLTAGE WITHSTAND

CONDUCTOR TO SHIELD SHIELD TO SHIELD

ADDITIONAL REQUIREMENTS

ELECTRICAL CHARACTERISTICS

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

CROSSLINKING PROOF TEST 300 ± 3°C for 1 hour, 1.00 inch mandrel, .625 lb., 2.5 kV dielectric test CONDUCTOR RESISTANCE 8.87 ohms/1000 ft. (nominal)

INSULATION (DIELECTRIC) (total insulation)

ELONGATION TENSILE STRENGTH

INSULATION FLAWS SPARK TEST

IMPULSE TEST INSULATION RESISTANCE

LOW TEMPERATURE-COLD BEND

SHRINKAGE

3.0 kV (rms) 8.0 kV (peak) 5000 megohms for 1000 ft. (minimum)

50% (minimum) 5000 lbf/in2 (minimum)

-65 ± 3°C for 4 hours, .750 inch mandrel, 1.00 lb. 2.5 kV dielectric test

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 CABLE LAY LENGTH

.75 inch (minimum), 1.25 inches (maximum)

 300 ± 5 °C for 6 hours, 6.00 inch mandrel 3 seconds (maximum); 3 inches (maximum); no flaming of facial tissue

50% (minimum) 5000 lbf/in2 (minimum)

1.0 kV (rms) 6.0 kV (peak) .009 inch (nominal)

-55 ± 5°C for 4 hours, 6.00 inch mandrel

90% (minimum)

1500 volts (rms) 500 volts (rms)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7720C5662-9) 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

45.9 lbs/1000 ft. (nominal)

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation 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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Raychem Wire & Cable THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS

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单击下面可查看定价,库存,交付和生命周期等信息

>>TE Connectivity(泰科)