SPECIFICATION CONTROL DRAWING

CHEMINAX

.0250

.048

.032

.113

.125

.142

.158

(nominal)

.162

(maximum)

 $\pm .002$

77 OHM, AWG 24, 19 STRANDS OF AWG 36, EMP HARDENED. DATA BUS CABLE, MIL-STD-1553

7724C8664 Date:

Revision:

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

ATTENUATION

CONSTRUCTION DETAILS DIMENSIONS ARE NOMINAL VALUES IN INCHES. UNLESS OTHERWISE

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE

30.0 pF/ft. (maximum)

MUTUAL CAPACITANCE

1.4 dB/100 ft. (maximum) at 1 MHz

77 ± 5 ohms. Method C at 1 MHz

SURFACE TRANSFER IMPEDANCE 2 milliohms/meter (maximum)

from 10 kHz to 100 MHz

(Per SAE AS85485)

ADDITIONAL REQUIREMENTS COMPONENT WIRE PRIOR TO CABLING (Test procedures per SAE AS22759)

CONDUCTOR RESISTANCE 26.5 ohms/1000 ft. (nominal)

CROSSLINKING PROOF TEST 300 ± 3°C for 1 hour, .625 inch mandrel,

.375 lb, 2.5 kV dielectric test

INSULATION (DIELECTRIC)

LOW TEMPERATURE-COLD BEND

ELONGATION TENSILE STRENGTH

50% (minimum) 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)

1.00 lb, 2.5 kV dielectric test

SHRINKAGE $200 \pm 3^{\circ}$ C for 1 hour,

.125 inch (maximum) in 12 inches

 $-65 \pm 3^{\circ}$ C for 4 hours, .750 inch mandrel,

Colors - Light Blue/White **FILLERS** Radiation-Crosslinked, Modified ETFE 1st SHIELD

Silver-Coated Copper,

AWG 38,

Optimized

Mu-Metal

2nd SHIELD

AWG 38.

Optimized

JACKET

Silver-Coated Copper,

Radiation-Crosslinked,

Modified ETFE

WRAP

CONDUCTORS

DIELECTRICS

Modified ETFE

19 Strands of AWG 36,

Radiation-Crosslinked,

Silver-Coated High-Strength Copper Alloy

AWG 24,

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)

CROSSLINKED VERIFICATION

300 ± 5°C for 6 hours, 6.00 inch mandrel

FI AMMARII ITY

3 seconds (maximum); 3 inches (maximum);

(Method B of Spec 1200)

no flaming of facial tissue

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

JACKET FLAWS

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

JACKET THICKNESS

.008 inch (nominal) LOW TEMPERATURE-COLD BEND -55 ± 5°C for 4 hours, 6.00 inch mandrel

VOLTAGE WITHSTAND

1500 volts (rms)

(DIELECTRIC)

.002 inch thick (nominal). 25% overlap (minimum)

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7724C8664-9).

WRAP

28.6 lbs/1000 ft. (maximum)

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

ENGINEERING REFERENCE

Cheminax, Raychem, TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks.

TEMPERATURE RATING 200°C (maximum)

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.



Raychem Wire & Cable 501 Oakside Avenue Redwood City, California 94063-3800 Phone: 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.

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)