SPECIFICATION CONTROL DRAWING

CHEMINAX

.0230

.047

.101

.111

(nominal)

.116

(maximum)

±.002

77 OHM, AWG 24, 7 STRANDS OF .0076, DATA BUS CABLE

CHARACTERISTIC IMPEDANCE

Date: 8-8-18

Revision:

77 ± 7 ohms. Method C at 1 MHz

7724H0664

F

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.

ELECTRICAL CHARACTERIOTICS

MUTUAL CAPACITANCE 30.0 pF/ft. (maximum)

ATTENUATION 2.0 dB/100 ft. (nominal) at 1 MHz

SURFACE TRANSFER IMPEDANCE 250 milliohms/meter (nominal) at 10 MHz

CONDUCTORS

DIELECTRICS

Modified ETFE

AWG 24, 7 Strands of .0076, Silver-Coated High-Strength Copper Alloy

Radiation-Crosslinked.

Colors - Light Blue/White

ADDITIONAL REQUIREMENTS

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

CONDUCTOR RESISTANCE 28.2 ohms/1000 ft. (nominal)

CROSSLINKING PROOF TEST 300 ± 3°C for 1 hour, .500 inch mandrel,

.375 lb, 2.5 kV dielectric test

INSULATION (DIELECTRIC)

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

INSULATION FLAWS

SPARK TEST 3.0 kV (rms)
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,

1.00 lb, 2.5 kV dielectric test

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

.125 inch (maximum) in 12 inches

SHIELD - Flat

JACKET

.0015 Strand Thickness, Silver-Coated Copper

Radiation-Crosslinked,

Modified ETFE

FINISHED CABLE

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

BLOCKING 200°C for 6 hours

CABLE LAY LENGTH 0.75 inch (minimum),1.25 inches (maximum)

CROSSLINKED VERIFICATION 300 ± 5°C for 6 hours, 3.00 inch mandrel

FLAMMABILITY 3 seconds (maximum), 3 inches (maximum);

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

JACKET

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

JACKET FLAWS

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

JACKET THICKNESS .0045 inch (minimum), .0050 inch (nominal)

LOW TEMPERATURE-COLD BEND -55 ± 5°C for 4 hours, 3.00 inch mandrel

SHIELD COVERAGE 90% (minimum)

VOLTAGE WITHSTAND 1000 volts (rms) (minimum)

(DIELECTRIC)

WEIGHT 8.0 lbs/1000 ft. (nominal)

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. 7724H0664-9.

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

TEMPERATURE RATING 200°C (maximum)

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. TE Connectivity 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

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)