SPECIFICATION CONTROL DRAWING

7528A1424

CHEMINAX

75 OHM, AWG 28, 7 STRANDS OF AWG 36, COAXIAL CABLE

Date 12-5-13
Revision A

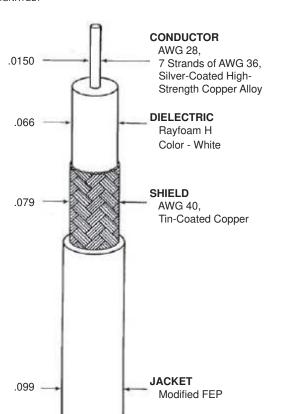
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE 75 ± 5 ohms, Method A CAPACITANCE 17.6 pF/ft. (nominal) VELOCITY OF PROPAGATION 77% (nominal)



ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE 74.0 ohms/1000 ft. (nominal)
INSULATION RESISTANCE 10,000 megohms (minimum)

for 1000 ft.

JACKET FLAWS

SPARK TEST 1.0 kV (rms)
IMPULSE TEST 6.0 kV (peak)
VOLTAGE WITHSTAND 1500 volts (rms)

(DIELECTRIC)

ENVIRONMENTAL

FLAMMABILITY Method B HEAT SHOCK 225°C

LOW TEMPERATURE-COLD BEND -55°C/2.75 inch mandrel
VOLTAGE WITHSTAND 1000 volts (rms), 1 minute
(Post Environmental)

PHYSICAL

INSULATION (DIELECTRIC)

ELONGATION 50% (minimum)
TENSILE STRENGTH 600 lbf/in² (minimum)

JACKET

ELONGATION 200% (minimum)
TENSILE STRENGTH 2000 lbf/in² (minimum)

JACKET THICKNESS .010 inch (nominal)

SHIELD COVERAGE 90% (minimum)

Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 7528A1424-9X), unless otherwise specified.

WEIGHT 8.3 lbs/1000 ft. (nominal)

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.

ENGINEERING REFERENCE

MAX TEMPERATURE RATING 150°C continuous conductor temperature

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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