

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## SPECIFICATION CONTROL DRAWING

7528A1424

**CHEMINAX** 

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

Date 12-5-13
Revision A

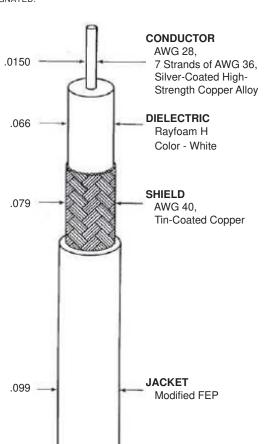
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

## CONSTRUCTION DETAILS

**ELECTRICAL CHARACTERISTICS** 

DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE 75  $\pm$  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
(Post Environmental) 1000 volts (rms), 1 minute

**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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