SPECIFICATION CONTROL DRAWING 7528H1424

CHEMINAX

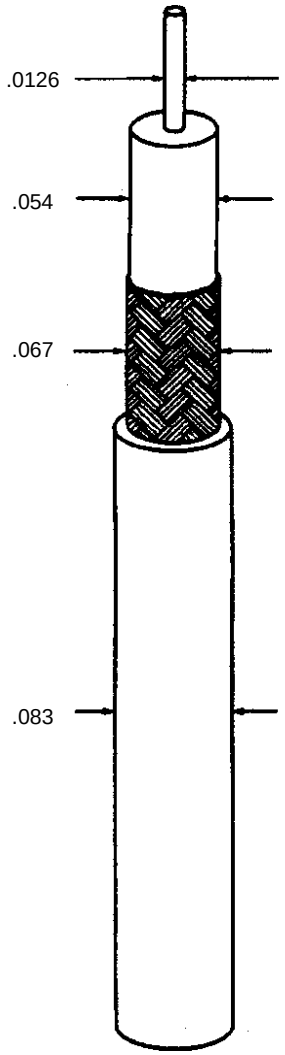
75 OHM, AWG 28, SOLID, COAXIAL CABLE

Date: 04-17-03
Revision: A

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

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.



CONDUCTOR
AWG 28, Solid
Silver-Coated, High Strength Copper Alloy

DIELECTRIC
Rayfoam® H
Color - Natural

SHIELD
AWG 40
Tin-Coated Copper

JACKET
Modified FEP

Outer jacket color will be Translucent white (designated by a " –9X " appended to the part number, e.g., 7528H1424-9X) unless otherwise specified.

Designate outer jacket color with a dash 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.

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	75 ± 3 ohms, Method B
CAPACITANCE	16.9 pF/ft. (nominal) at 1 kHz
VELOCITY OF PROPAGATION	80% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	78.1 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV
IMPULSE TEST	6.0 kV, (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	750 volts (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE - COLD BEND	-55°C/2.25 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 psi (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in² (minimum)
JACKET THICKNESS	.006 inch (minimum) .008 inch (nominal)
SHIELD COVERAGE	90% (minimum)
WEIGHT	6.3 lbs/1000 ft. (nominal)

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

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