

SPECIFICATION CONTROL DRAWING

7528A5814

CHEMINAX

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

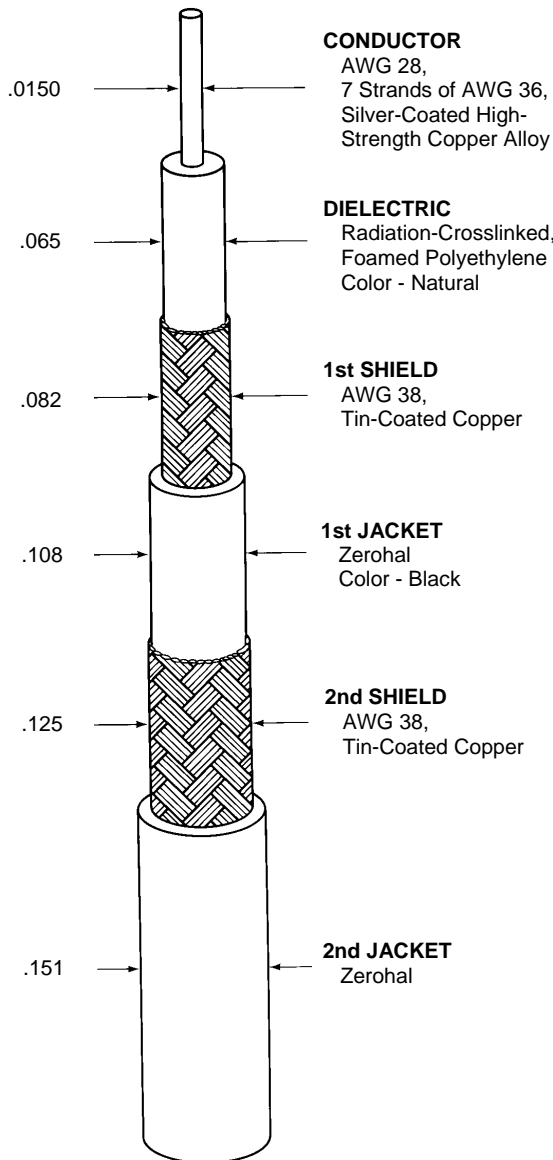
Date: 6-10-14
Revision: A

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 ± 3 ohms, Method B
CAPACITANCE	17.8 pF/ft. (nominal)
VELOCITY OF PROPAGATION	76% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL	
CONDUCTOR RESISTANCE	74.0 ohms/1000 ft. (nominal)
INSULATION RESISTANCE CONDUCTOR TO SHIELD	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS SPARK TEST IMPULSE TEST	1.0 kV (rms) 6.0 kV (peak)
VOLTAGE WITHSTAND CONDUCTOR TO SHIELD SHIELD TO SHIELD	1500 volts (rms) 1000 volts (rms)

ENVIRONMENTAL	
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-30°C/4.25 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute

PHYSICAL	
INSULATION (DIELECTRIC) ELONGATION TENSILE STRENGTH	50% (minimum) 1000 lbf/in ² (minimum)
JACKET (each) ELONGATION TENSILE STRENGTH	150% (minimum) 1200 lbf/in ² (minimum)
JACKET THICKNESS (each)	.013 inch (nominal)
SHIELD COVERAGE (each)	90% (minimum)

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be black designated by a "-0" appended to the part number, (e.g. 7528A5814-0). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

WEIGHT	17.4 lbs/1000 ft. (nominal)
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ENGINEERING REFERENCE	
TEMPERATURE RATING	105°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.

