

SPECIFICATION CONTROL DRAWING

2530A0614

CHEMINAX

125 OHM, AWG 30, 7 STRANDS OF AWG 38, TWINAXIAL CABLE

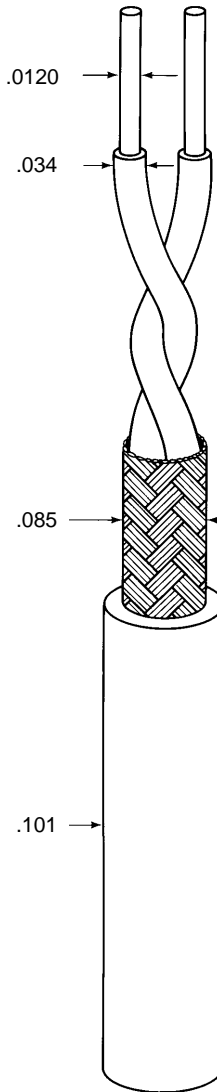
Date: 4-21-16
Revision: A

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.



CONDUCTORS
AWG 30,
7 Strands of AWG 38,
Silver-Coated High-
Strength Copper Alloy

DIELECTRICS
Radiation-Crosslinked,
Foamed PE
Colors - White/Tan

SHIELD
AWG 38,
Tin-Coated Copper

JACKET
Radiation-Crosslinked,
Modified ETFE

CHARACTERISTIC IMPEDANCE	125 ohms (nominal), Method C at 1 MHz
MUTUAL CAPACITANCE	14.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	72% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE (prior to cabling)	116. 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 (DIELECTRIC)	1500 volts (rms)

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) (prior to cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in ² (minimum)
JACKET	
ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (minimum)
JACKET THICKNESS	.008 inch (nominal)
SHIELD COVERAGE	90% (minimum)

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. 2530A0614-9). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

WEIGHT	6.4 lbs/1000 ft. (nominal)
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ENGINEERING REFERENCE

TEMPERATURE RATING	115°C (maximum)
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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.

