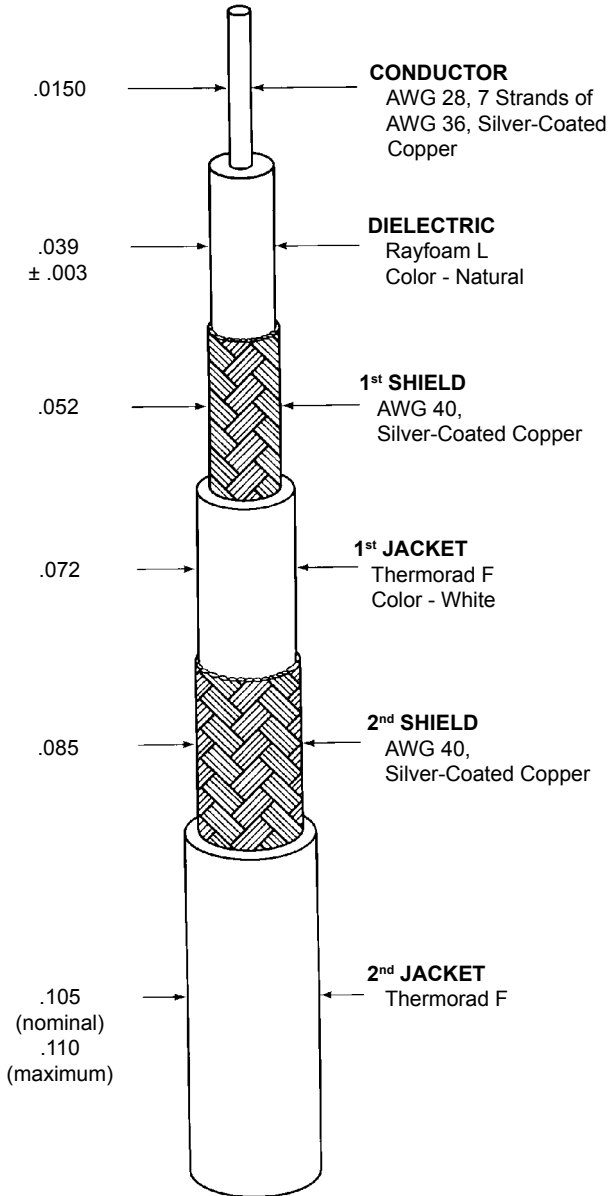


SPECIFICATION CONTROL DRAWING		5028D5312	
CHEMINAX	50 OHM, AWG 28, 7 STRANDS OF AWG 36, TRIAXIAL CABLE	Date	7-15-13
		Revision	E

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

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS
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DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



CHARACTERISTIC IMPEDANCE	50 ± 2 ohms, Method A
CAPACITANCE	27.8 pF/ft. (nominal) 28.3 pF/ft. (maximum)
VELOCITY OF PROPAGATION	73% (nominal)
ATTENUATION	92.0 dB/100 ft. (maximum) at 4 GHz

ADDITIONAL REQUIREMENTS

<u>ELECTRICAL</u>	
CONDUCTOR RESISTANCE	62.0 ohms/1000 ft. (nominal)
INSULATION RESISTANCE CONDUCTOR TO SHIELD	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms)
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND	
CONDUCTOR TO SHIELD	750 volts (rms) (minimum)
SHIELD TO SHIELD	500 volts (rms) (minimum)
<u>ENVIRONMENTAL</u>	
FLAMMABILITY	Method C
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-55°C/3.00 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute
<u>PHYSICAL</u>	
INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in ² (minimum)
JACKET (EACH)	
ELONGATION	100% (minimum)
TENSILE STRENGTH	2000 lbf/in ² (minimum)
JACKET THICKNESS (EACH)	.008 inch (minimum) .010 inch (nominal)
SHIELD COVERAGE (EACH)	90% (minimum)
WEIGHT	8.8 lbs/1000 ft. (nominal)

Outer jacket color will be white (designated by a "-9") appended to the part number, e.g. 5028D5312-9) unless otherwise specified.

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.

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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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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