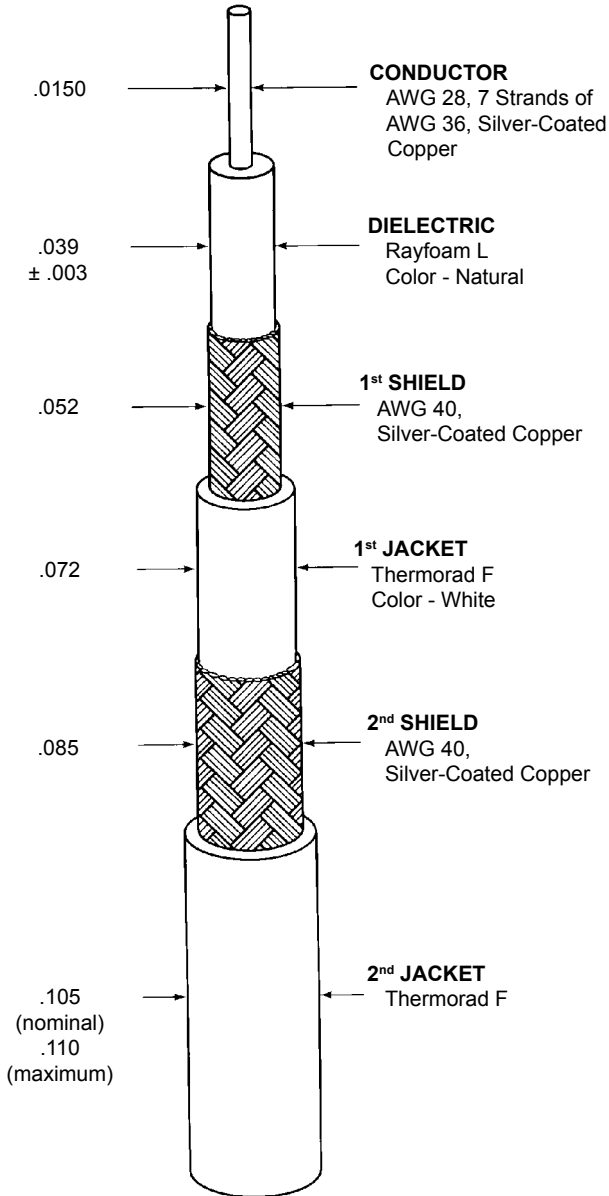


SPECIFICATION CONTROL DRAWING		5028D5312	
CHEMINAX	50 OHM, AWG 28, 7 STRANDS OF AWG 36, TRIAXIAL CABLE	Date	7-15-13
		Revision	E

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

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS
-----------------------------	-----------------------------------

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

ELECTRICAL

CONDUCTOR RESISTANCE	62.0 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	750 volts (rms) (minimum) 500 volts (rms) (minimum)

ENVIRONMENTAL

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

PHYSICAL

INSULATION (DIELECTRIC) ELONGATION TENSILE STRENGTH	50% (minimum) 1000 lbf/in ² (minimum)
JACKET (EACH) ELONGATION TENSILE STRENGTH	100% (minimum) 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.



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[5028D5312-9CS1173](#)