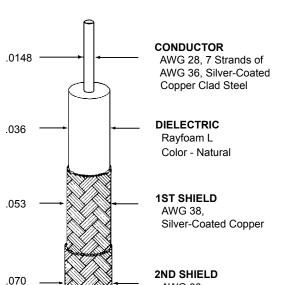| SPECIFICATION CONTROL DRAWING		5028A3318	
CHEMINAX	50 OHM, AWG 28, 7 STRANDS OF AWG 36, COAXIAL CABLE	Date	7-15-13
		Revision	G

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.

.0148 — **CONDUCTOR**
AWG 28, 7 Strands of AWG 36, Silver-Coated Copper Clad Steel

.036 — **DIELECTRIC**
Rayfoam L
Color - Natural

.053 — **1ST SHIELD**
AWG 38,
Silver-Coated Copper

.070 — **2ND SHIELD**
AWG 38,
Silver-Coated Copper

.090 — **JACKET**
Thermorad S

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 5028A3318-0) 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.

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	50 ± 2 ohms, Method A
CAPACITANCE	27.8 pF/ft. (nominal)
VELOCITY OF PROPAGATION	73% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	150. 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)	750 volts (rms) (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method C
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-55°C/2.50 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms) , 1 minute

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in^2 (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in^2 (minimum)
JACKET THICKNESS	.010 inch (nominal)
SHIELD COVERAGE (each)	90% (minimum)

WEIGHT	7.9 lbs/1000 ft. (nominal)

Page 1 of 1	Rayfoam, Thermorad, Cheminax, Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.

TE connectivity

Raychem Wire & Cable
501 Oakside Avenue
Redwood City, California 94063-3800
1-800-227-8816   Fax: 1-650-361-6297

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.