SPECIFICATION CONTROL DRAWING

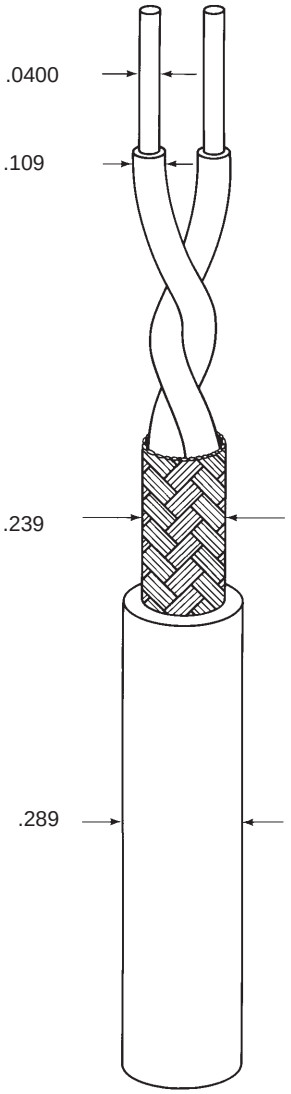
2020E0811

CHEMINAX	120 OHM, AWG 20, 19 STRANDS OF AWG 32, TWINAXIAL CABLE, OPTIMIZED SHIELD	Date	5-28-10
		Revision	B

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.



CONDUCTORS
AWG 20, 19 Strands of AWG 32, Tin-Coated Copper

DIELECTRICS
Rayfoam L
Colors - White/Tan

SHIELD
AWG 36, Tin-Coated Copper, Optimized

JACKET
Zerohal

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 2020E0811-0) 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	120 ± 12 ohms, Method D at 1 MHz (with shield grounded)
MUTUAL CAPACITANCE	10.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	78% (nominal)
SURFACE TRANSFER IMPEDANCE	20 milliohms/meter (maximum) at 100 KHz to 20 MHz (Per MIL-DTL-85485)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	9.53 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)	1000 volts (rms) (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method C
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-30°C/8.00 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	800 lbf/in^2 (minimum)
JACKET	
ELONGATION	150% (minimum)
TENSILE STRENGTH	1200 lbf/in^2 (minimum)
JACKET THICKNESS	.025 inch (nominal)
WEIGHT	38.0 lbs/1000 ft. (nominal)

Tyco Electronics

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