SPECIFICATION CONTROL DRAWING 2520D0611

CHEMINAX

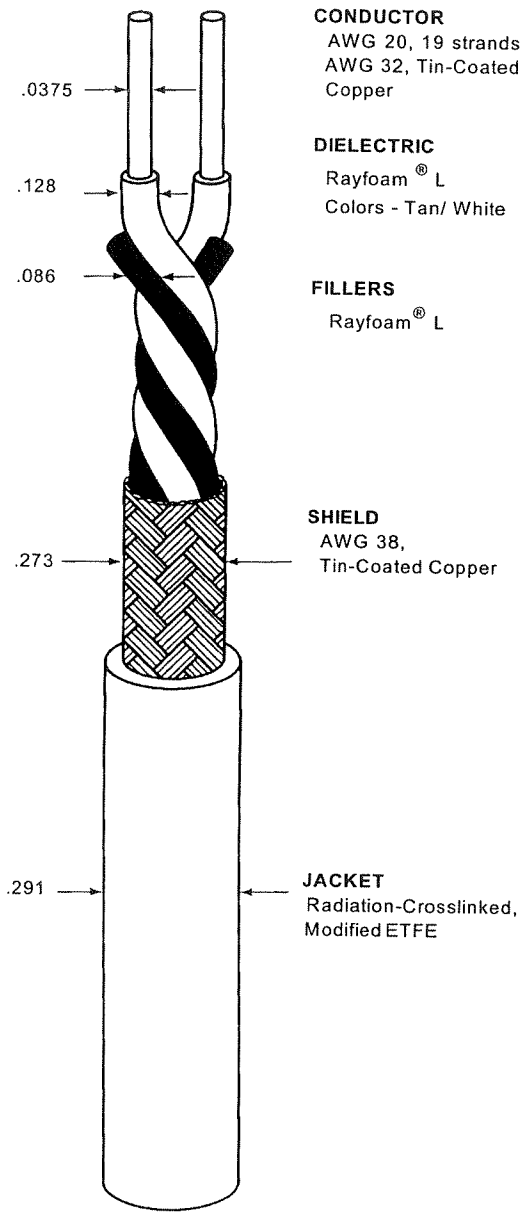
125 OHM, AWG 20, 19 STRANDS OF AWG 32, TWO CONDUCTOR CABLE

Date: 08-31-01
Revision: A

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.



CONDUCTOR
AWG 20, 19 strands of AWG 32, Tin-Coated Copper

DIELECTRIC
Rayfoam® L
Colors - Tan/ White

FILLERS
Rayfoam® L

SHIELD
AWG 38,
Tin-Coated Copper

JACKET
Radiation-Crosslinked, Modified ETFE

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g.2520D0611-9) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681.

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	125 ± 15 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	10.0 pF/ft. (nominal)
VELOCITY OF PROPAGATION	77% (nominal)
ATTENUATION	2.0 dB/100 ft. (nominal) at 10 MHz

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	9.88 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) or 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 B
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-55°C/8.00 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms) for 1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in² (minimum)
JACKET	
ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in² (minimum)
JACKET THICKNESS	.009 inch (nominal) .007 inch (minimum)
SHIELD COVERAGE	90% (minimum)
WEIGHT	35.6 lbs/1000 ft. (nominal)

Raychem

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

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