

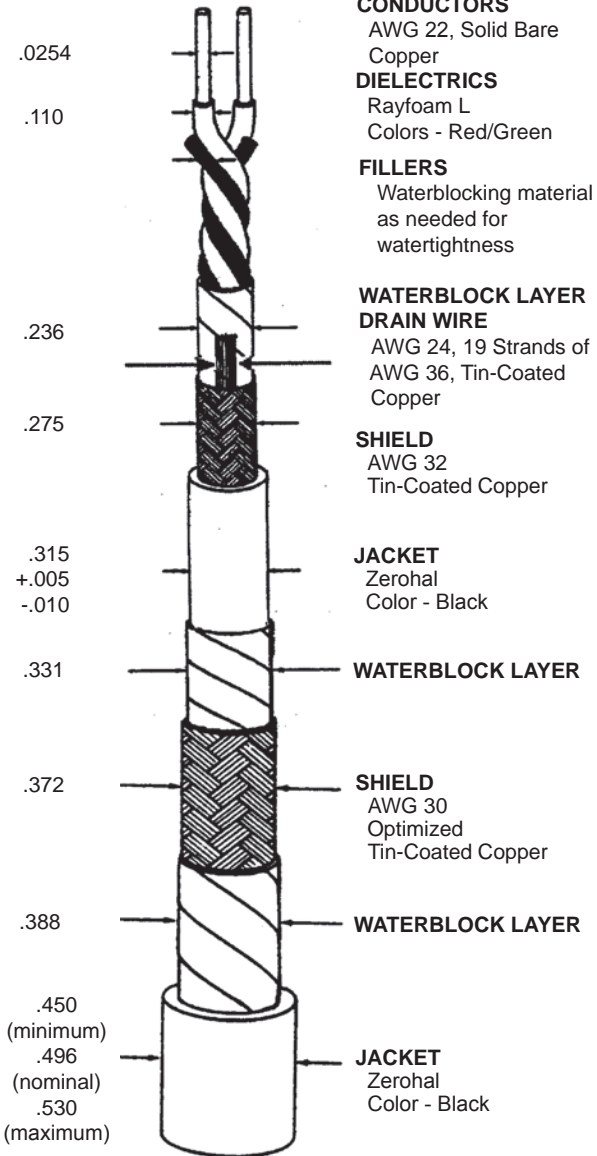
SPECIFICATION CONTROL DRAWING		5022W0809
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CHEMINAX	150 OHM, AWG 22, SOLID CONDUCTORS, DATA PAIR CABLE, WATERTIGHT, MIL-DTL-24643/62, LSPB2SDOSW-1	Date	9-22-11
		Revision	N

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	150 ± 15 ohms at 0.2 to 20 MHz, using IFT-TDR measurement
MUTUAL CAPACITANCE	3.0 nF/100m (maximum) at 1 kHz
VELOCITY OF PROPAGATION	77% (nominal)
SURFACE TRANSFER IMPEDANCE (Outer shield)	700 milliohms/meter (maximum) at .1 to 100 MHz, 60 dB (minimum) for .33 meter EMP response per MIL-DTL-24643
ATTENUATION (dB/100m maximum)	1.0 at 0.2 MHz 2.5 at 4.0 MHz 5.0 at 16 MHz 7.2 at 31.25 MHz

ADDITIONAL REQUIREMENTS

ELECTRICAL	
CONDUCTOR RESISTANCE	16.6 ohms/1000 ft. (maximum) at 25°C.
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	3.0kV (rms)
VOLTAGE WITHSTAND (DIELECTRIC) CONDUCTOR TO CONDUCTOR AND SHIELD	1500 volts (rms) (minimum)
SHIELD TO SHIELD	500 volts (rms) (minimum)

ENVIRONMENTAL	
OPERATING TEMPERATURE	110°C
Other testing as required by MIL-DTL-24643/62	

PHYSICAL	
INSULATION (DIELECTRIC)	
ELONGATION	160% (minimum)
TENSILE STRENGTH	700 lbf/in ² (minimum)
JACKET (each)	
ELONGATION	160% (minimum)
TENSILE STRENGTH	1300 lbf/in ² (minimum)
JACKET THICKNESS	
Inner	.020 inch (nominal)
Outer	.054 inch (nominal) .040 inch (minimum)
SHIELD COVERAGE (Inner)	90% (minimum)
WATERTIGHTNESS	4 in ³ (maximum) in ASTM D 1141 solution
WEIGHT	159. lbs/1000 ft. (nominal)

MARKER TAPE	RAYCHEM-REDWOOD CITY, CA-Year of Manufacture-MIL-DTL-24643-* "**-Serial marker
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JACKET MARK	RAYCHEM LSPB2SDOSW-1 M24643/62-04 Year of Manufacture XLPOLYO
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DRAINWIRE IS HELICALLY WRAPPED BETWEEN THE WATERBLOCK LAYER AND INNER SHIELD

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 5022W0809-0) 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.

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. TE Connectivity 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.