



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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SPECIFICATION CONTROL DRAWING

0018D0811

CHEMINAX

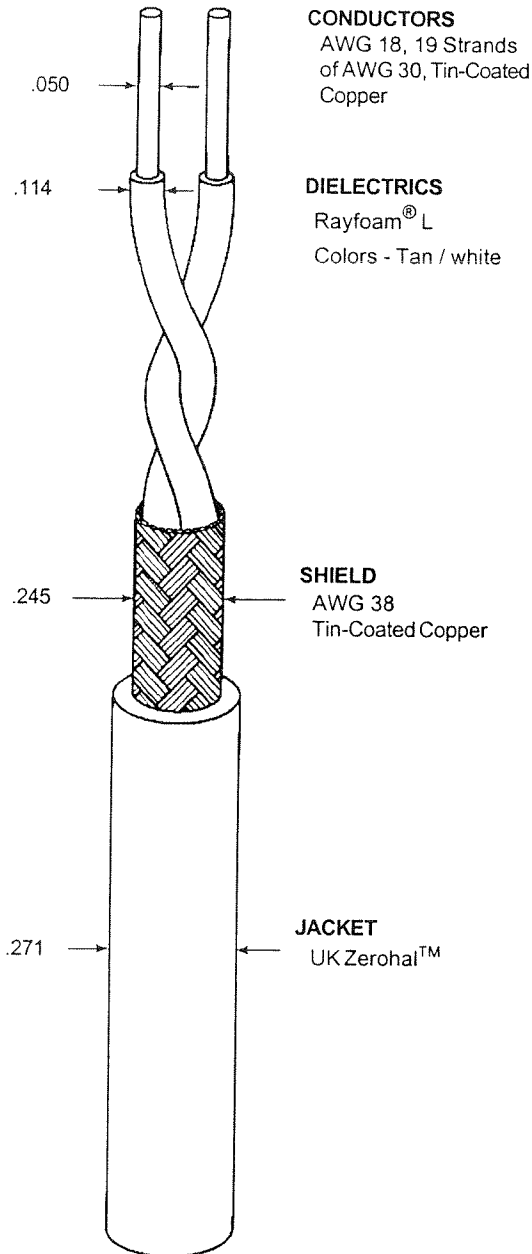
100 OHM, AWG 16, RADIO FREQUENCY, 19 STRANDS OF
AWG 36, TWIN CONDUCTOR CABLE

Date: 02/2/00
Revision:

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.



ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	100 ± 15 ohms, 1 MHz - 100 MHz (per QS/3/064)
CAPACITANCE - MUTUAL	18.0 pF/ft. (nominal) at 1 kHz
VELOCITY OF PROPAGATION	77% (nominal)
STRUCTURAL RETURN LOSS	23 dB (minimum) - 1-20 MHz 20 dB (minimum) - 40 MHz 17 dB (minimum) - 80 MHz 16 dB (minimum) - 100 MHz for 100 meters

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	6.07 ohms/1000ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms), 60 Hz
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	-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	1000 lbf/in² (minimum)
JACKET	
ELONGATION	150% (minimum)
TENSILE STRENGTH	1200 lbf/in² (minimum)
JACKET THICKNESS	.011 inch (minimum) .013 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT	34.9 lbs/1000ft. (nominal)
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Outer jacket will be black (designated by a "-0" appended to the part number, e.g., 0018D0811-0) unless otherwise specified.

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

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