



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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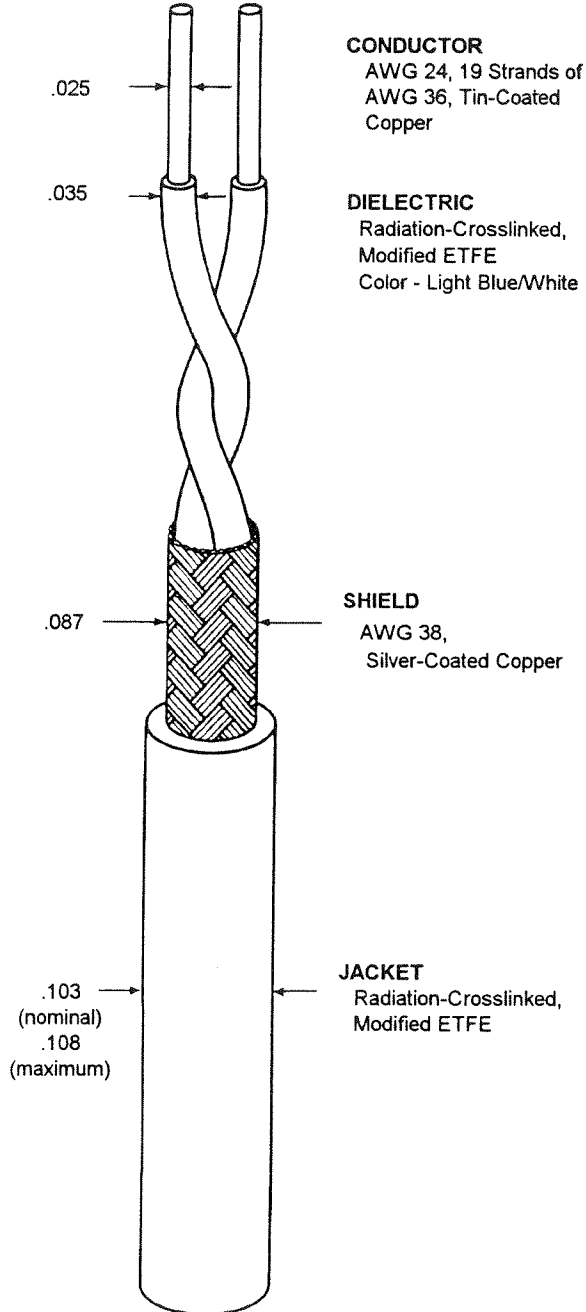
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THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 5024A1661-9) unless otherwise specified.

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

**ELECTRICAL CHARACTERISTICS**

|                          |  |
|--------------------------|--|
| CHARACTERISTIC IMPEDANCE | 50 ± 7 ohms, Balanced Impedance, Method C at 1 MHz |
| CAPACITANCE - MUTUAL     | 31.9 pF/ft. (nominal)                              |
| ATTENUATION              | 1.4 dB/100 ft. (nominal) at 1 MHz                  |

**ADDITIONAL REQUIREMENTS**

COMPONENT WIRE PRIOR TO CABLING (Per MIL-W-22759)

|   |  |
|---|--|
| ACCELERATED AGING<br>(per MIL-W-22759 Life Cycle procedure) | 300 ± 3°C for 7 hours, .500 inch mandrel, .250 lb., 2.5 kV dielectric test |
| * LOW TEMPERATURE COLD BEND                                 | -65 ± 2°C for 4 hours, 1.00 inch mandrel, 1.00 lb., 2.5 kV dielectric test |
| SHRINKAGE   | 200 ± 3°C for 6 hours, .125 inch (maximum) in 12 inches                    |
| * INSULATION RESISTANCE                                     | 5000 megohms for 1000 ft.  |
| ELONGATION  | 50% (minimum)  |
| TENSILE STRENGTH  | 5000 lbf/in <sup>2</sup> (minimum)   |
| IMPULSE DIELECTRIC TEST                                     | 8.0 kV (peak), 100% test   |

FINISHED CABLE (Per MIL-C-27500)

|   |  |
|---|--|
| *BLOCKING   | 200°C for 6 hours  |
| CROSSLINKED VERIFICATION                              | 300 ± 5°C for 6 hours, 3.00 inch mandrel                               |
| *FLAMMABILITY<br>(per Raychem Spec. 55A, procedure 1) | 3 seconds (maximum); 3.0 inches (maximum), no flaming of facial tissue |
| * LOW TEMPERATURE COLD BEND                           | -55 ± 5°C for 4 hours, 3.00 inch mandrel                               |
| JACKET FLAWS  |  |
| SPARK TEST  | 1000 volts (rms), 60 Hz, 100% test                                     |
| IMPULSE TEST  | 6.0 kV (peak)  |
| JACKET ELONGATION                                     | 50% (minimum)  |
| TENSILE STRENGTH                                      | 5000 lbf/in <sup>2</sup> (minimum)                                     |
| JACKET THICKNESS                                      | .008 inch (nominal)  |
| SHIELD COVERAGE                                       | 90% (minimum)  |
| VOLTAGE WITHSTAND (DIELECTRIC)                        | 1000 volts (rms) (minimum)   |

\*Qualification Test

|        |                            |
|--------|----------------------------|
| WEIGHT | 9.7 lbs/1000 ft. (maximum) |
|--------|----------------------------|