



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

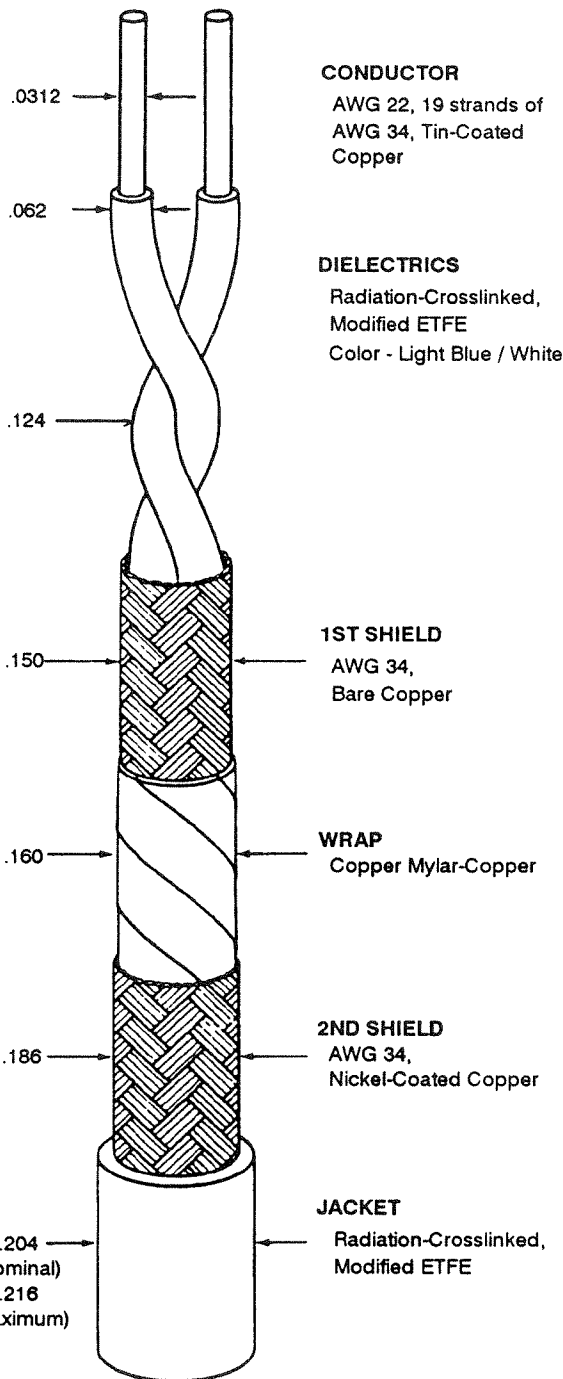
**CONSTRUCTION DETAILS**

**ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE	70 ± 7 ohms, Method C at 1 MHz
MUTUAL CAPACITANCE	30 pF/ft. (maximum)
ATTENUATION	1.0 dB/100 ft. (maximum) at 1 MHz

**ADDITIONAL REQUIREMENTS**



**CONDUCTOR**  
AWG 22, 19 strands of  
AWG 34, Tin-Coated  
Copper

**DIELECTRICS**  
Radiation-Crosslinked,  
Modified ETFE  
Color - Light Blue / White

**1ST SHIELD**  
AWG 34,  
Bare Copper

**WRAP**  
Copper Mylar-Copper

**2ND SHIELD**  
AWG 34,  
Nickel-Coated Copper

**JACKET**  
Radiation-Crosslinked,  
Modified ETFE

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

ACCELERATED AGING (Per MIL-W-22759 Life Cycle Procedure)	300 ± 3°C for 7 hours, .750 inch mandrel, .500 lb, 2.5 kV dielectric test
LOW TEMPERATURE - COLD BEND	-65 ± 2°C for 4 hours, .750 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 INSULATION (DIELECTRIC) ELONGATION	5000 megohms for 1000 ft. (minimum) 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	150°C for 6 hours
LOW TEMPERATURE- COLD BEND	-55 ± 5°C for 4 hours, 6 inch mandrel
CROSSLINKED VERIFICATION	300 ± 5°C for 6 hours, 6.00 inch mandrel, .500 lb, 1.0 kV dielectric test
FLAMMABILITY (Per Raychem Spec. 55A, Procedure 1)	3 seconds (maximum); 3 inch (maximum); no flaming of facial tissue
JACKET FLAWS	1000 volts (rms), 60 Hz, 100% test
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms), (minimum)
JACKET THICKNESS	.009 inch (nominal)
JACKET ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
SHIELD COVERAGE (EACH)	90% (minimum)
WRAP	.0024 inch thick (nominal), 25% overlap (minimum)

The length of lay shall be .75 inches (minimum) to 1.25 inches (maximum)

WEIGHT 46.6 lbs/1000 ft. (nominal)

Outer jacket color will be white (designated by a '-9' appended to the part number, e.g. 10600-9) unless otherwise specified.

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