



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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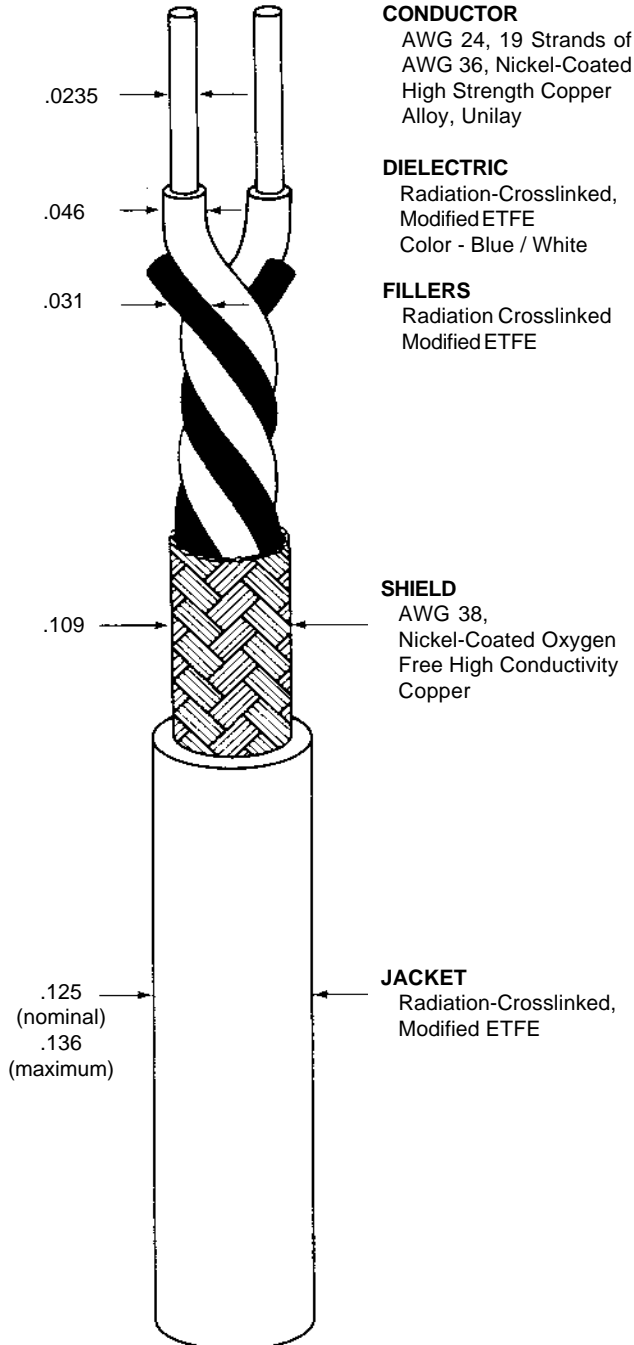


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

**ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



**CONDUCTOR**  
AWG 24, 19 Strands of  
AWG 36, Nickel-Coated  
High Strength Copper  
Alloy, Unilay

**DIELECTRIC**  
Radiation-Crosslinked,  
Modified ETFE  
Color - Blue / White

**FILLERS**  
Radiation Crosslinked  
Modified ETFE

**SHIELD**  
AWG 38,  
Nickel-Coated Oxygen  
Free High Conductivity  
Copper

**JACKET**  
Radiation-Crosslinked,  
Modified ETFE

CHARACTERISTIC IMPEDANCE	77 ± 5 ohms, Method C at 1 MHz
CAPACITANCE-	
CONDUCTOR TO CONDUCTOR	30 pF/ft. (maximum) at 1 MHz
CONDUCTOR TO SHIELD	42 pF/ft. (maximum) at 1 MHz
ATTENUATION	1.5 dB/100 ft. (maximum) at 1 MHz

**ADDITIONAL REQUIREMENTS**

**COMPONENT WIRE PRIOR TO CABLING**  
(Test Procedures per MIL-W-22759)

CROSSLINK PROOF	300 ± 3°C for 1 hour, .500 inch mandrel, .375 lb., 2.5 kV dielectric test
LOW TEMPERATURE COLD BEND	-65 ± 2°C for 4 hours, .500 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. (minimum)
INSULATION (DIELECTRIC) TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
ELONGATION	50% (minimum)
INSULATION FLAWS	
SPARK TEST	3000 volts (rms)
IMPULSE TEST	8.0 kV (peak)

**FINISHED CABLE (Test Procedures per NEMA WC27500)**

BLOCKING	200°C for 6 hours
LOW TEMPERATURE COLD BEND	-55 ± 5°C for 4 hours 6.0 inch mandrel
CROSSLINKED VERIFICATION	300 ± 5°C for 6 hours, 6.0 inch mandrel
FLAMMABILITY (Method B per Spec. 1200)	3 seconds (maximum); 3.0 inches (maximum), no flaming of facial tissue
SHIELD COVERAGE	90% (minimum)
JACKET FLAWS	
SPARK TEST	1000 volts (rms)
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1500 volts (rms)
JACKET THICKNESS	.008 inch (nominal)
JACKET	
TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
ELONGATION	50% (minimum)

WEIGHT	14.8 lbs/1000 ft. (maximum)
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Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. EPD6314-24-9) 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.

Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.