



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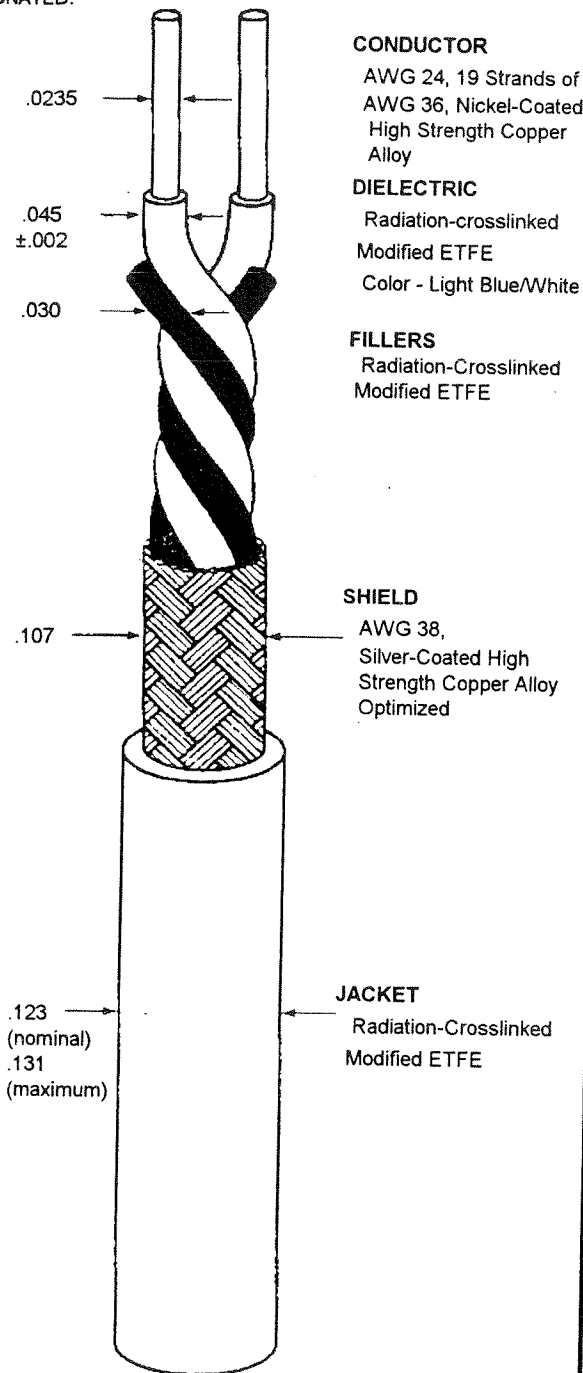
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THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



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

DIELECTRIC
Radiation-crosslinked
Modified ETFE
Color - Light Blue/White

FILLERS
Radiation-Crosslinked
Modified ETFE

SHIELD
AWG 38,
Silver-Coated High
Strength Copper Alloy
Optimized

JACKET
Radiation-Crosslinked
Modified ETFE

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	77 ± 5 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	30 pF/ft. (maximum)
CAPACITANCE UNBALANCE	5% (maximum)
ATTENUATION	1.4 dB/100 ft. (maximum) at 1 MHz
SURFACE TRANSFER IMPEDANCE	100 milliohms/meter (maximum) per MIL-C-85458 at 30 MHz

ADDITIONAL REQUIREMENTS

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

ACCELERATED AGING (per MIL-W-22759 Life Cycle procedure)	300 ± 3°C for 1 hours, .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 1 hours, .125 inch (maximum) in 12 inches
* INSULATION RESISTANCE	5000 megohms for 1000 ft.
INSULATION (DIELECTRIC) TENSILE STRENGTH	5000 lbf/in ² (minimum)
ELONGATION	50% (minimum)
IMPULSE DIELECTRIC TEST	8.0 kV (peak), 100% test

FINISHED CABLE (Per MIL-C-27500)

*BLOCKING	200°C for 6 hours
* LOW TEMPERATURE COLD BEND	-55 ± 5°C for 4 hours
CROSSLINKED VERIFICATION	3.00 inch mandrel
*FLAMMABILITY (per Raychem Spec. 55A, procedure 1)	300 ± 5°C for 1 hour, 3.00 inch mandrel
JACKET FLAWS	3 seconds (maximum); 3.0 inches (maximum), no flaming of facial tissue
SPARK TEST	1000 volts (rms), 60 Hz, 100% test
IMPULSE TEST	6.0 kV (peak)
JACKET TENSILE STRENGTH	5000 lbf/in ² (minimum)
ELONGATION	50% (minimum)
SHIELD COVERAGE	90% (minimum)
JACKET THICKNESS	.008 (nominal) .005 (minimum)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

*Qualification Test

The length of lay shall be .3.0 inch (maximum).

WEIGHT 15.5 lbs/1000 ft. (maximum)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7724L0666-9) unless otherwise specified.

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