



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!



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# SPECIFICATION CONTROL DRAWING

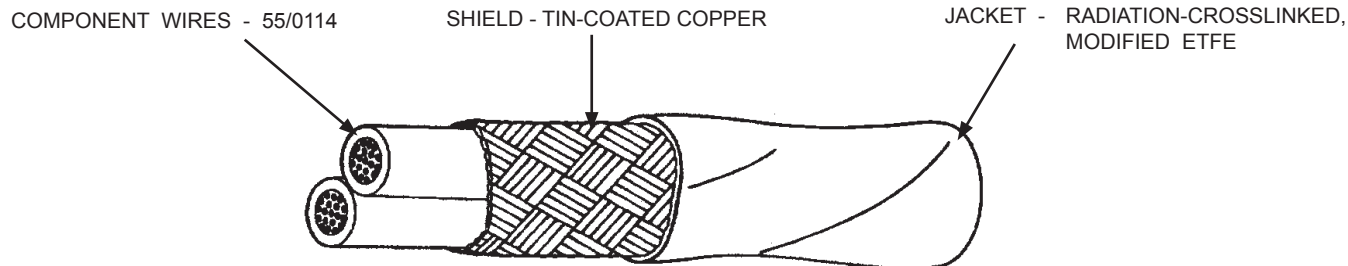
**55/1124**

TITLE TWO CONDUCTOR CABLE, SHIELDED, JACKETED, OUTER SPACE, 600 VOLT

Date 6-12-07

Revision B

This specification sheet forms a part of the latest issue of Raychem Specification 55/.



| CABLE CONSTRUCTION DETAILS |                            |                         |                           |         |                           |         |                                     |
|----------------------------|----------------------------|-------------------------|---------------------------|---------|---------------------------|---------|-------------------------------------|
| PART NUMBER<br>1/          | CONDUCTOR<br>SIZE<br>(AWG) | SHIELD<br>SIZE<br>(AWG) | JACKET THICKNESS<br>(in.) |         | OUTSIDE DIAMETER<br>(in.) |         | MAXIMUM<br>WEIGHT<br>(lbs/1000 ft.) |
|                            |                            |                         | MINIMUM                   | NOMINAL | NOMINAL                   | MAXIMUM |                                     |
| 55/1124-30-*               | 30                         | 38                      | .006                      | .008    | .081                      | .086    | 5.4                                 |
| 55/1124-28-*               | 28                         | 38                      | .006                      | .008    | .087                      | .092    | 6.3                                 |
| 55/1124-26-*               | 26                         | 38                      | .006                      | .008    | .097                      | .102    | 7.9                                 |
| 55/1124-24-*               | 24                         | 38                      | .006                      | .008    | .107                      | .112    | 9.8                                 |
| 55/1124-22-*               | 22                         | 38                      | .006                      | .008    | .119                      | .125    | 12.4                                |
| 55/1124-20-*               | 20                         | 38                      | .006                      | .008    | .133                      | .140    | 16.4                                |

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

JACKET COLOR: White preferred

JACKET ELONGATION: 50% (minimum)

JACKET FLAWS:

Spark Test, 1000 volts (rms)

Impulse Dielectric Test, 6.0 kV (peak)

RADIATION RESISTANCE: 500 megarads

SHIELD COVERAGE: 85% (minimum)

VACUUM STABILITY:

Total Mass Loss (TML), 1.00% (maximum)

Volatile Condensable Material, 0.10% (maximum)

VOLTAGE WITHSTAND TEST (Post Environmental):

1500 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The "\*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.

NOTE: Nominal values are for information only.

Nominal values are not requirements.

1/ Example: AWG 24, black and brown component wires; white jacket:  
55/1124-24-0/1-9

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.

1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx"). OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.