



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

55A4132

TITLE THREE CONDUCTOR CABLE, JACKETED

Date 11-16-90

Revision A

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

COMPONENT WIRES - 55A0112

JACKET - RADIATION-CROSSLINKED,  
MODIFIED ETFE

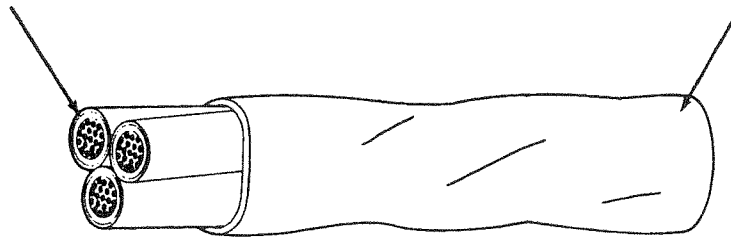


TABLE I. CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A4132-26-*	26	.006	.008	.085	.090	6.0
55A4132-24-*	24	.006	.008	.096	.101	8.1
55A4132-22-*	22	.006	.008	.109	.114	10.8
55A4132-20-*	20	.006	.008	.124	.130	15.8
55A4132-18-*	18	.006	.008	.146	.153	23.0
55A4132-16-*	16	.006	.008	.163	.171	28.9
55A4132-14-*	14	.006	.008	.200	.210	44.1
55A4132-12-*	12	.007	.009	.240	.253	66.1

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

### TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

ACCELERATED AGING: 300 ± 3°C for 7 hours

BLOCKING: 200 ± 3°C for 6 hours

DIELECTRIC WITHSTAND: 1500 volts, 60 Hz, (rms)

### FLAMMABILITY:

Procedure 1, 3 seconds (maximum); 3 inch (maximum);  
no flaming of facial tissue

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in<sup>2</sup> (minimum)

LIFE CYCLE: 230 ± 3°C for 500 hours

LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours

THERMAL SHOCK: 300 ± 3°C for 6 hours

VOLTAGE WITHSTAND TEST: (After Accelerated Aging, Immersion,  
Life Cycle, Low Temperature-Cold Bend and Thermal Shock)  
1000 volts, 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.

Example: AWG 20, white, black and red component wires;  
white jacket: 55A4132-20-9/0/2-9

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

# Raychem

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