



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

55A1852

TITLE FIVE CONDUCTOR CABLE, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED, SHIELDED, JACKETED, NORMAL WEIGHT, 600 VOLT

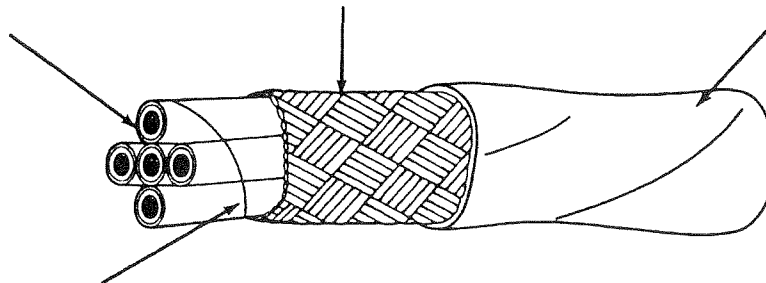
Date 11-10-93

Revision A

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

COMPONENT WIRES-55A0812

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

FILAMENT BINDER AS REQUIRED

CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A1852-26-*	26	38	.006	.008	.140	.160	17.5
55A1852-24-*	24	38	.006	.008	.154	.175	21.5
55A1852-22-*	22	38	.006	.008	.170	.193	28.4
55A1852-20-*	20	38	.006	.008	.191	.218	38.0
55A1852-18-*	18	38	.007	.009	.223	.253	53.8
55A1852-16-*	16	38	.007	.009	.245	.279	65.7
55A1852-14-*	14	38	.007	.009	.291	.335	93.4
55A1852-12-*	12	36	.008	.010	.342	.395	138.
55A1852-10-*	10	36	.008	.010	.407	.470	205.
55A1852- 8-*	8	34	.010	.012	.577	.667	375.
55A1852- 6-*	6	34	.014	.016	.709	.820	565.
55A1852- 4-*	4	34	.017	.020	.903	1.05	921.

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 (rms), 60 Hz

FLAMMABILITY:

Procedure 1, 3 seconds (maximum); 3 in. (maximum);

no flaming of facial tissue

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in² (minimum)

JACKET FLAWS:

Spark Test, 1000 volts (rms), 60 Hz, 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

*Qualification Tests

NOTE: Nominal values are for information only.

Nominal values are not requirements.

* LIFE CYCLE: 230 ± 3°C for 500 hours

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

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND TEST: (Post Environmental)

1000 volts, 60 Hz, 1 minute

PART NUMBER:

The "*" in the part numbers 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, brown, red, orange and blue component wires; white jacket:

55A1852-20-9/0/1/2/3/6-9

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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