

# SPECIFICATION CONTROL DRAWING

55A2132

TITLE

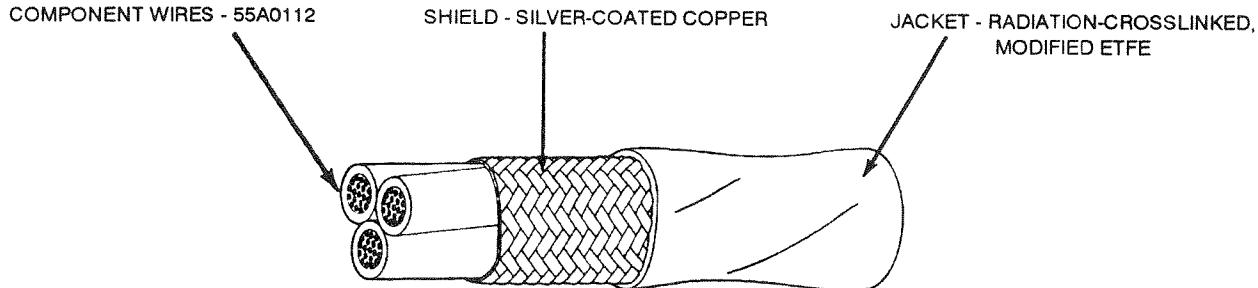
THREE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED

Date

2-7-92

Revision

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



## CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS ( $\pm .0004$ )	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A2132-26-*	26	.0015	.006	.008	.092	.097	7.8
55A2132-24-*	24	.0015	.006	.008	.103	.108	10.1
55A2132-22-*	22	.0015	.006	.008	.116	.122	13.2
55A2132-20-*	20	.0015	.006	.008	.131	.138	18.4
55A2132-18-*	18	.0015	.006	.008	.153	.160	26.1
55A2132-16-*	16	.0015	.006	.008	.170	.178	32.4

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

ACCELERATED AGING: 300  $\pm$  3°C for 7 hours

\* BLOCKING: 200  $\pm$  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/in<sup>2</sup> (minimum)

JACKET FLAWS:

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

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

\* LIFE CYCLE: 230  $\pm$  3°C for 500 hours

LOW TEMPERATURE-COLD BEND: -65  $\pm$  3°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):

1000 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.

Example: AWG 22, black,white and red component wires: white jacket: 55A2132-22-0/9/2-9

\* Qualification Test

NOTE: Nominal values are for information only.

Nominal values are not requirements.

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

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

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