

# SPECIFICATION CONTROL DRAWING

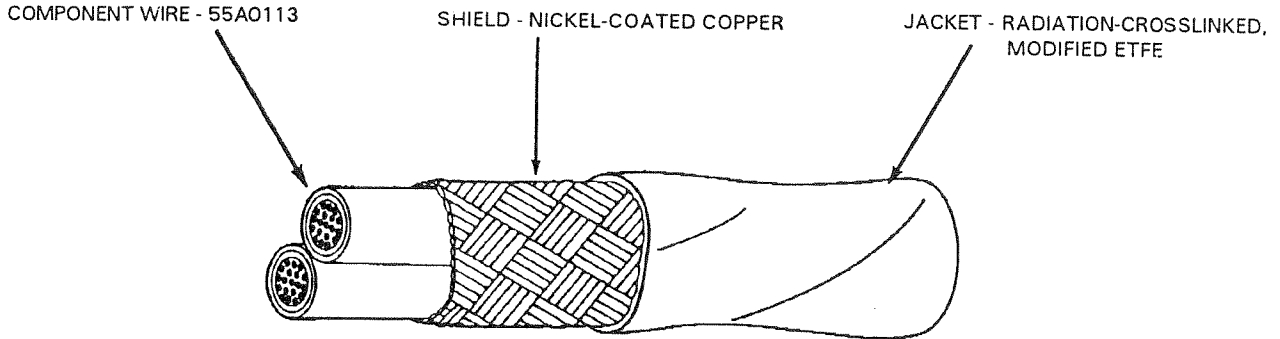
**55A1123**

**TITLE** TWO CONDUCTOR CABLE, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMERE-INSULATED, SHIELDED, JACKETED, LIGHTWEIGHT, 600 VOLT

**Date** 10-9-92

**Revision** D

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



### 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	
55A1123-30-*	30	38	.006	.008	.081	.086	5.3
55A1123-28-*	28	38	.006	.008	.087	.092	6.2
55A1123-26-*	26	38	.006	.008	.097	.102	7.6
55A1123-24-*	24	38	.006	.008	.107	.113	9.5
55A1123-22-*	22	38	.006	.008	.119	.125	12.4
55A1123-20-*	20	38	.006	.008	.135	.141	16.6
55A1123-18-*	18	38	.006	.008	.155	.162	22.9
55A1123-16-*	16	38	.006	.008	.171	.178	27.9
55A1123-14-*	14	38	.006	.008	.205	.213	40.2
55A1123-12-*	12	38	.007	.009	.243	.251	56.6
55A1123-10-*	10	38	.007	.009	.291	.306	83.9

### 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 or 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 ± 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 (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 20, white and black component wires; white jacket: 55A1123-20-9/0-9

\* 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.

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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