

SPECIFICATION CONTROL DRAWING

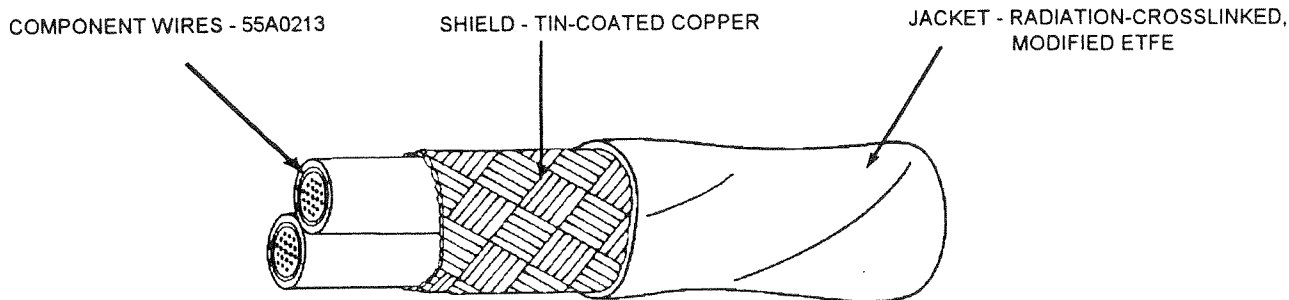
55A6251

TITLE TWO CONDUCTOR CABLE, SHIELDED, JACKETED,
MEDIUM WEIGHT, 600 VOLT

Date 6-29-94

Revision C

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	
55A6251-22-*	22	38	.006	.008	.127	.133	13.3
55A6251-20-*	20	38	.006	.008	.143	.150	17.6
55A6251-18-*	18	38	.006	.008	.165	.173	23.9
55A6251-16-*	16	38	.006	.008	.179	.188	28.5
55A6251-14-*	14	38	.006	.008	.209	.219	40.2
55A6251-12-*	12	38	.007	.009	.247	.259	57.7

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°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

* LIFE CYCLE: 200 ± 3°C for 168 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 wires color from the jacket color.
 Example: AWG 20, white and black component wire;
 white jacket: 55A6251-20-9/0-9

* 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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