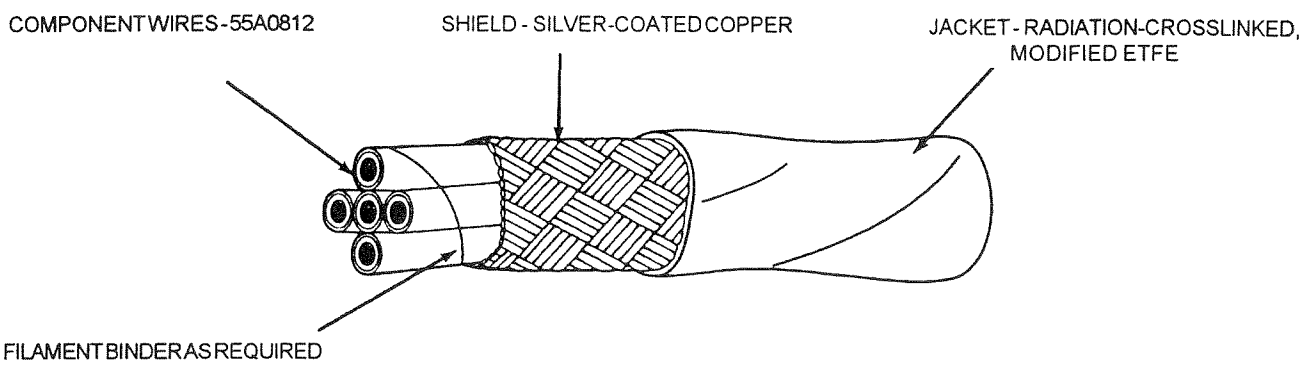
SPECIFICATION CONTROL DRAWING

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



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 Enviromental)
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.

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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