

SPECIFICATION CONTROL DRAWING

55A6543

TITLE WIRE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED, SILVER-COATED COPPER, LIGHTWEIGHT

Date 3-21-90

Revision C

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

CONDUCTOR - SILVER-COATED COPPER

INSULATION - RADIATION-CROSSLINKED
MODIFIED ETFE

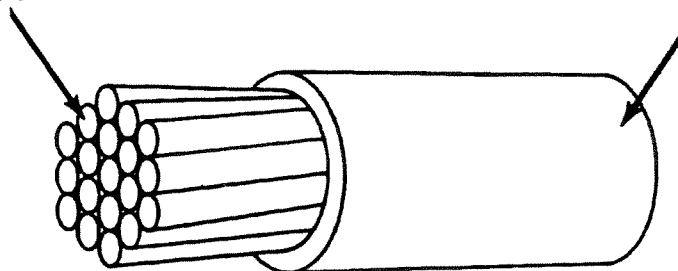


TABLE I. CONSTRUCTION DETAILS

PART NUMBER	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	DIAMETER OF STRANDED CONDUCTOR (in.)		FINISHED WIRE		
			MINIMUM	MAXIMUM	MAXIMUM RESISTANCE AT 20°C (ohms/1000ft)	DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000 ft)
55A6543-26-*	26	19 x 38	.018	.019	38.4	.032 ± .002	1.4
55A6543-24-*	24	19 x 36	.023	.025	24.3	.037 ± .002	2.0
55A6543-22-*	22	19 x 34	.029	.030	15.1	.043 ± .002	3.0
55A6543-20-*	20	19 x 32	.037	.039	9.19	.051 ± .003	4.4
55A6543-18-*	18	19 x 30	.046	.048	5.79	.061 ± .003	6.8
55A6543-16-*	16	19 x 29	.052	.054	4.52	.069 ± .003	8.6
55A6543-14-*	14	19 x 27	.065	.068	2.88	.086 ± .004	13.2
55A6543-12-*	12	37 x 28	.084	.087	1.90	.104 ± .004	20.0

TABLE II. PERFORMANCE DETAILS

PART NUMBER	BEND TESTING			
	MANDREL DIAMETER (inch) (± 3%)		WEIGHT (lb) (± 3%)	
	IMMERSION, LIFE CYCLE AND ACCELERATED AGING	COLD BEND	IMMERSION, LIFE CYCLE AND ACCELERATED AGING	COLD BEND
55A6543-26-*	.375	.500	.125	.500
55A6543-24-*	.375	.500	.250	1.00
55A6543-22-*	.500	.750	.375	1.00
55A6543-20-*	.500	.750	.500	1.00
55A6543-18-*	.500	1.00	.500	1.00
55A6543-16-*	.750	1.00	.750	1.00
55A6543-14-*	1.00	1.50	1.00	3.00
55A6543-12-*	1.50	2.00	1.50	3.00

WIRE RATINGS AND ADDITIONAL REQUIREMENTS

INSULATION ELONGATION: 150% (minimum)

Except as specified above, this construction shall meet all the requirements of Raychem Specification Sheet 55A0112 for AWG sizes 26 - 12.

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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