

SPECIFICATION CONTROL DRAWING

55A6355

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

Date 3-21-80

Revision C

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

CONDUCTOR - TIN-COATED COPPER

INSULATION - RADIATION-CROSSLINKED MODIFIED ETFE

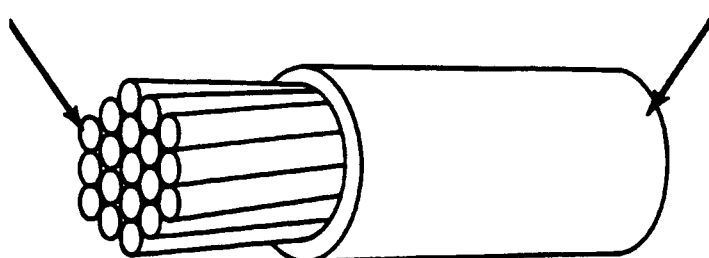


TABLE I. CONSTRUCTION DETAILS

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)
55A6355-26-*	26	19 x 38	.018	.020	41.3	.032 ± .002	1.4
55A6355-24-*	24	19 x 36	.023	.025	26.2	.037 ± .002	2.0
55A6355-22-*	22	19 x 34	.029	.031	16.2	.043 ± .002	2.9
55A6355-20-*	20	19 x 32	.037	.039	9.88	.051 ± .003	4.4
55A6355-18-*	18	19 x 30	.046	.049	6.23	.061 ± .003	6.7
55A6355-16-*	16	19 x 29	.052	.055	4.81	.069 ± .003	8.6
55A6355-14-*	14	19 x 27	.065	.069	3.06	.086 ± .004	13.2
55A6355-12-*	12	37 x 28	.084	.089	2.02	.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		IMMERSION, LIFE CYCLE AND ACCELERATED AGING	
	COLD BEND		COLD BEND	
55A6355-26-*	.375	.500	.125	.500
55A6355-24-*	.375	.500	.250	1.00
55A6355-22-*	.500	.750	.375	1.00
55A6355-20-*	.500	.750	.500	1.00
55A6355-18-*	.500	1.00	.500	1.00
55A6355-16-*	.750	1.00	.750	1.00
55A6355-14-*	1.00	1.50	1.00	3.00
55A6355-12-*	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 55A0111 for AWG sizes 26-12.

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

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

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