

SPECIFICATION CONTROL DRAWING

55A8015

TITLE WIRE, ELECTRIC, TIN-COATED CADMIUM COPPER,
NORMAL WEIGHT, 600 VOLT

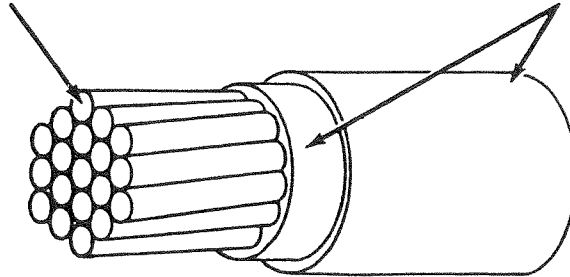
DATE:
1-9-85

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

CONDUCTOR - TIN-COATED CADMIUM COPPER

INSULATION - RADIATION CROSSLINKED,
MODIFIED ETFE



CONSTRUCTION DETAILS

PART NUMBER	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	MAXIMUM DIAMETER OF STRANDED CONDUCTOR (in.)	FINISHED WIRE		
				MAXIMUM RESISTANCE AT 20°C (Ω/1000 ft)	DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000 ft)
55A8015-26-*	26	19 x 38	.021	45.0	.040 ± .002	1.7
55A8015-24-*	24	19 x 36	.026	30.5	.045 ± .002	2.3
55A8015-23-*	23	21 x 36	.027	28.5	.046 ± .003	2.7
55A8015-22-*	22	19 x 34	.033	20.0	.051 ± .003	3.3
55A8015-20-*	20	19 x 32	.041	12.0	.059 ± .003	4.9

PERFORMANCE DETAILS

PART NUMBER	BEND TESTING			
	MANDREL DIAMETER (in.) (±3%)		WEIGHT (lb) (±3%)	
	IMMERSION, LIFE CYCLE AND ACCELERATED AGING	COLD BEND	IMMERSION, LIFE CYCLE AND ACCELERATED AGING	COLD BEND
55A8015-26-*	.375	1.00	.500	3.00
55A8015-24-*	.500	1.00	.750	3.00
55A8015-23-*	.500	1.00	.750	3.00
55A8015-22-*	.500	1.00	1.00	3.00
55A8015-20-*	.500	1.00	1.50	4.00

ADDITIONAL REQUIREMENTS

CONDUCTOR ELONGATION AND BREAKING STRENGTH:

Elongation, 1% (minimum)

Jaw separation speed, 2 in. per minute

Breaking Strength: 21.6 lb. (minimum), AWG 26
33.6 lb. (minimum), AWG 24
37.1 lb. (minimum), AWG 23
53.4 lb. (minimum), AWG 22
86.0 lb. (minimum), AWG 20

Except as specified above, this construction shall meet all requirements of Raychem Specification Sheet 55A0811.

The "*" in the part numbers above shall be replaced by a color code designator in accordance with MIL-STD-681.

Example: AWG 24, white: 55A8015-24-9

AWG 24, white with black stripe: 55A8015-24-90

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL

Raychem

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER ALL OTHER DOCUMENTS REFERENCED HEREIN. REVISIONS TO THIS SHEET SHALL BE OF THE ISSUE IN EFFECT AT THE DATE OF INVITATION FOR BID.

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