

# SPECIFICATION CONTROL DRAWING

**55A6688**

TITLE  
WIRE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, ETFE-INSULATED  
SILVER-COATED HIGH-STRENGTH COPPER ALLOY, LIGHTWEIGHT 600 VOLT

DATE:  
11-11-89

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

CONDUCTOR - SILVER-COATED HIGH-STRENGTH  
COPPER ALLOY (Unilay)  
NOTE: Silver-Coating Thickness -  
80 micro inch (minimum average)

INSULATION - RADIATION-CROSSLINKED  
MODIFIED ETFE

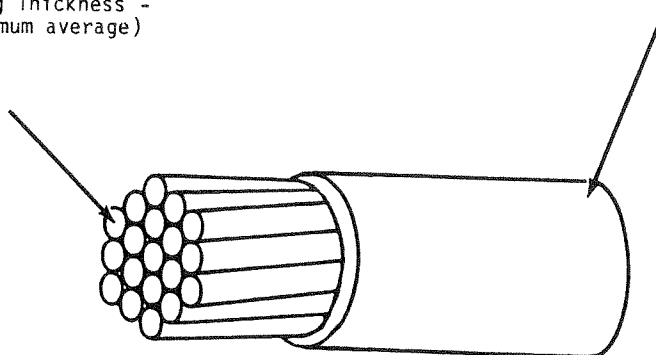


TABLE 1. CONSTRUCTION DETAILS

PART NUMBER	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	DIAMETER OF STRANDED CONDUCTOR (in.)		MAXIMUM RESISTANCE AT 20°C (Ω/1000 ft)	FINISHED WIRE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	MAXIMUM		MINIMUM	MAXIMUM	
			55A6688-30-*	30		7 x 38	.011	
55A6688-28-*	28	7 x 36	.014	.015	74.4	.025	.029	.91
55A6688-26-*	26	19 x 38	.018	.020	44.8	.030	.033	1.4
55A6688-24-*	24	19 x 36	.023	.024	28.4	.035	.038	2.0
55A6688-22-*	22	19 x 34	.029	.031	17.5	.041	.044	2.9

### ADDITIONAL REQUIREMENTS

Except as specified above, this construction shall meet all the requirements of Raychem Specification Sheet 55A0114.

#### PART NUMBER:

The "\*" in the part number shall be replaced by color code designators in accordance with MIL-STD-681:

Example: white: 55A6688-26-9.

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

## Raychem