

SPECIFICATION CONTROL DRAWING

55A6904

TITLE FIVE CONDUCTOR CABLE, JACKETED,
LIGHTWEIGHT, 600 VOLT

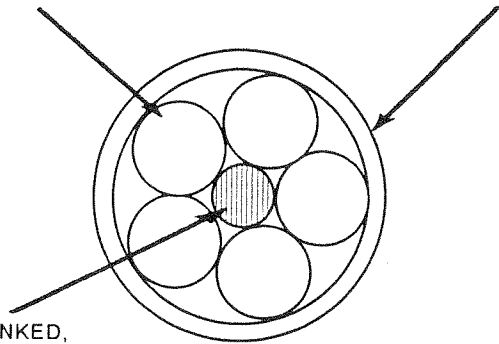
Date 4-16-97

Revision A

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

COMPONENT WIRES - 55A0111

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



FILLER - RADIATION-CROSSLINKED,
MODIFIED ETFE

FILAMENT BINDER AS REQUIRED

CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lb/1000 ft)
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A6904-26-*	26	.006	.008	.102	.108	9.5
55A6904-24-*	24	.006	.008	.116	.122	13.0
55A6904-22-*	22	.006	.008	.132	.139	17.5
55A6904-20-*	20	.006	.008	.151	.159	25.8
55A6904-18-*	18	.006	.008	.178	.187	37.8
55A6904-16-*	16	.006	.008	.200	.210	47.9
55A6904-14-*	14	.007	.009	.248	.260	74.1
55A6904-12-*	12	.007	.009	.296	.311	110.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°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)
 LIFE CYCLE: 200 ± 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours
 VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):
 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:
 The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire color from the jacket color.
 Example: AWG 24, white, blue, orange, green and red component wires; white jacket:
 55A6904-24-9/6/3/5/2-9

NOTE: Nominal values are for information only.
 Nominal values are not requirements.

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

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

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