

SPECIFICATION CONTROL DRAWING

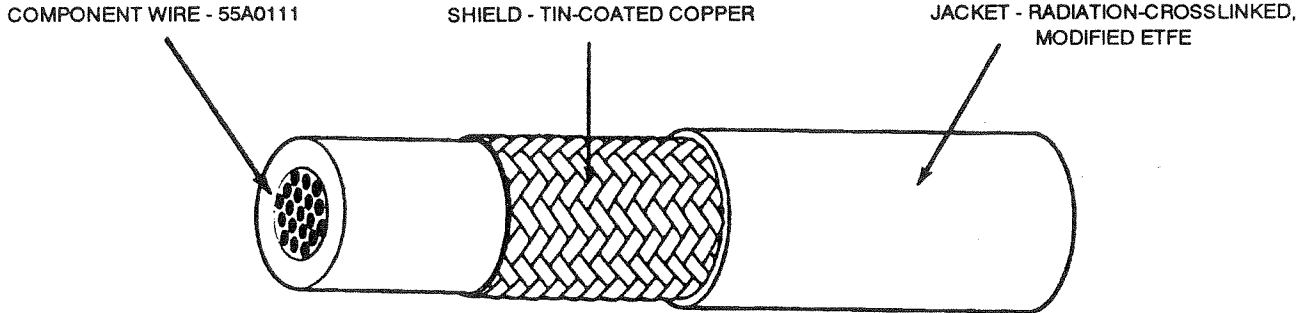
55A2111

TITLE CABLE, RADIATION-CROSSLINKED, MODIFIED, ETFE-INSULATED,
ONE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, LIGHTWEIGHT

Date 12-7-90

Revision B

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



CABLE CONSTRUCTION DETAILS							
PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS (± .0004 in.)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A2111-30-*	30	.0015	.006	.008	.046	.052	2.2
55A2111-28*	28	.0015	.006	.008	.049	.055	2.6
55A2111-26*	26	.0015	.006	.008	.054	.060	3.3
55A2111-24-*	24	.0015	.006	.008	.059	.065	4.1
55A2111-22-*	22	.0015	.006	.008	.065	.071	5.3
55A2111-20-*	20	.0015	.006	.008	.073	.079	7.3
55A2111-18-*	18	.0015	.006	.008	.083	.088	9.8
55A2111-16-*	16	.0015	.006	.008	.091	.096	11.9
55A2111-14-*	14	.0015	.006	.008	.108	.113	17.4
55A2111-12-*	12	.0015	.006	.008	.126	.132	25.0

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, 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/in.² (minimum)
 JACKET FLAWS:
 Spark Test, 1000 volts, 60 Hz (rms), 100% test
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

LIFE CYCLE: 200 ± 3°C for 168 hours
 LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours
 SHIELD COVERAGE: 85% (minimum)
 THERMAL SHOCK: 300 ± 3°C for 6 hours
 VOLTAGE WITHSTAND TEST: (After Accelerated Aging,
 Immersion, Life Cycle, Low Temperature-Cold Bend
 and Thermal Shock) 1000 volts, 60 Hz, 1 minute

PART NUMBER:
 The *** in the part numbers above shall be replaced by color code designators in accordance with MIL-STD-681 with a dash separating the component wire color from the jacket color.
 Example: AWG 20, white component wire; white jacket 55A2111-20-9-9.

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.