

# SPECIFICATION CONTROL DRAWING

55A2111

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

Date 12-7-90

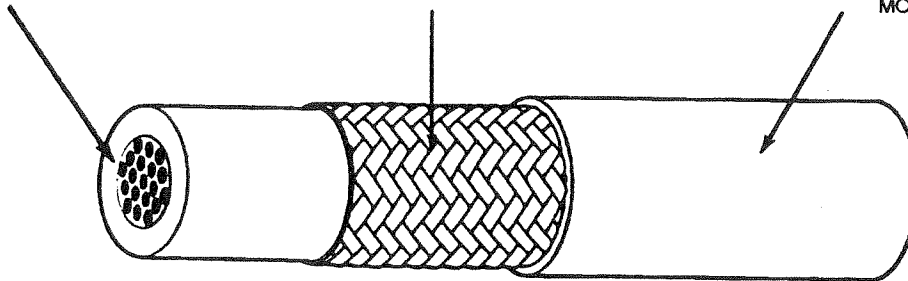
Revision B

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

COMPONENT WIRE - 55A0111

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,  
MODIFIED ETFE



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.<sup>2</sup> (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.

**Raychem**

Raychem Corporation  
300 Constitution Drive, Menlo Park, California 94025  
415) 361 3333 TWX 910 373 1728

单击下面可查看定价，库存，交付和生命周期等信息

[>>TE Connectivity\(泰科\)](#)