

SPECIFICATION CONTROL DRAWING

55A1162

TITLE CABLE, RADIATION-CROSSLINKED, ETFE-INSULATED, SIX CONDUCTOR, SHIELDED, JACKETED, LIGHTWEIGHT

Date 2-13-91

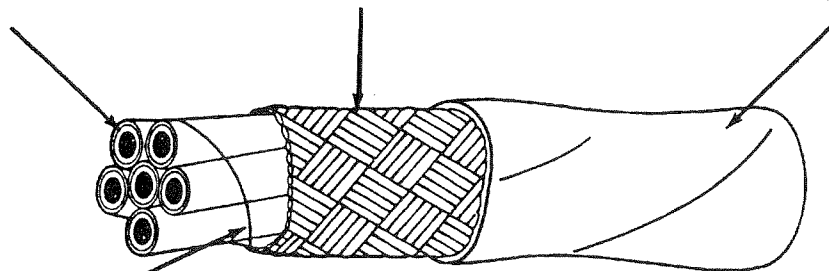
Revision A

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

COMPONENT WIRES - 55A0112

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



FILAMENT BINDER AS REQUIRED

CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A1162-30-*	30	38	.006	.008	.105	.111	10.2
55A1162-28-*	28	38	.006	.008	.114	.120	12.4
55A1162-26-*	26	38	.006	.008	.129	.135	16.4
55A1162-24-*	24	38	.006	.008	.144	.150	21.2
55A1162-22-*	22	38	.006	.008	.162	.169	27.4
55A1162-20-*	20	38	.006	.008	.186	.193	38.1
55A1162-18-*	18	38	.006	.008	.218	.226	53.7
55A1162-16-*	16	38	.007	.009	.242	.250	67.1
55A1162-14-*	14	38	.007	.009	.290	.305	99.7
55A1162-12-*	12	36	.008	.010	.353	.371	150.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°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)

JACKET FLAWS:

Spark Test, 1000 volts (rms), 60 Hz, 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

LIFE CYCLE: 230 ± 3°C for 500 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 shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.

Example: AWG 20, white, black, brown, red, orange and blue components, white jacket:
55A1162-20-9/0/1/2/3/6-9

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

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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