

SPECIFICATION CONTROL DRAWING

55A1123

TITLE TWO CONDUCTOR CABLE, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED,
FLUOROPOLYMER-INSULATED, SHIELDED, JACKETED, LIGHTWEIGHT, 600 VOLT

Date 10-9-92

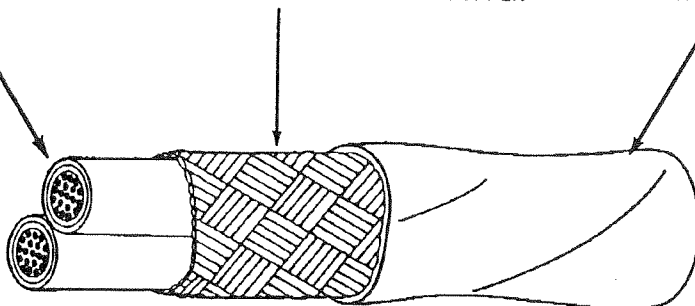
Revision D

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

COMPONENT WIRE - 55A0113

SHIELD - NICKEL-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



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	
55A1123-30-*	30	38	.006	.008	.081	.086	5.3
55A1123-28-*	28	38	.006	.008	.087	.092	6.2
55A1123-26-*	26	38	.006	.008	.097	.102	7.6
55A1123-24-*	24	38	.006	.008	.107	.113	9.5
55A1123-22-*	22	38	.006	.008	.119	.125	12.4
55A1123-20-*	20	38	.006	.008	.135	.141	16.6
55A1123-18-*	18	38	.006	.008	.155	.162	22.9
55A1123-16-*	16	38	.006	.008	.171	.178	27.9
55A1123-14-*	14	38	.006	.008	.205	.213	40.2
55A1123-12-*	12	38	.007	.009	.243	.251	56.6
55A1123-10-*	10	38	.007	.009	.291	.306	83.9

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 or 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)
- 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 colors from the jacket color.

Example: AWG 20, white and black component
wires; white jacket: 55A1123-20-9/0-9

* Qualification Test

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

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