

SPECIFICATION SHEET

55A2114

CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED,
ONE CONDUCTOR, FLAT BRAID SHIELDED, JACKETED, LIGHTWEIGHT

30 March 1985

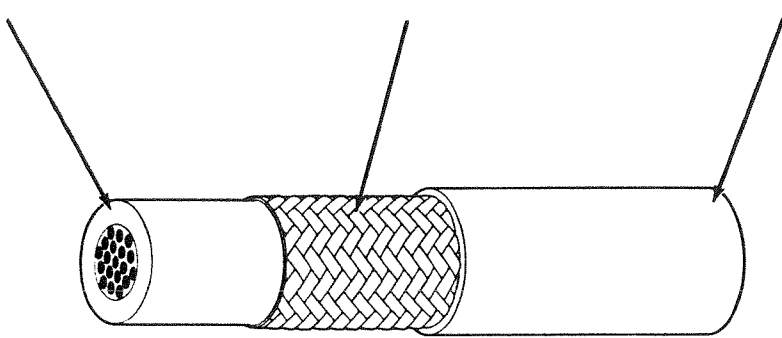
150°C

The complete requirements for procuring the cable described herein shall consist of this document and the issue in effect of Raychem Specification 55A.

COMPONENT WIRE - 55A0114

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS ($\pm .0004$ inch)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL ^{1/}	NOMINAL ^{1/}	MAXIMUM	
			55A2114-30-*	30	.0015	.006	
55A2114-28-*	28	.0015	.006	.008	.049	.055	2.6
55A2114-26-*	26	.0015	.006	.008	.054	.060	3.3
55A2114-24-*	24	.0015	.006	.008	.059	.065	4.1
55A2114-22-*	22	.0015	.006	.008	.065	.071	5.3
55A2114-20-*	20	.0015	.006	.008	.073	.079	7.3

^{1/} Nominal values are for information only. Nominal values are not requirements.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

ACCELERATED AGING: 300 \pm 3°C for 7 hours

BLOCKING: 200 \pm 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 psi (minimum)

JACKET FLAWS:

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

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

LIFE CYCLE: 200 \pm 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 \pm 2°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

THERMAL SHOCK: 300 \pm 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 colors from the jacket color.

Example:

AWG 20, white component wire, white jacket:

55A2114-20-9-9.