

SPECIFICATION SHEET

55A2134

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

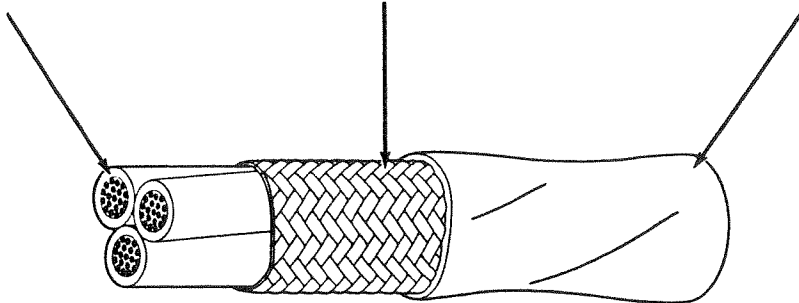
30 March 1985

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 WIRES - 55A0114

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

CABLE CONSTRUCTION DETAILS							
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	
55A2134-30-*	30	.0015	.006	.008	.074	.080	4.8
55A2134-28-*	28	.0015	.006	.008	.080	.086	5.9
55A2134-26-*	26	.0015	.006	.008	.091	.097	7.8
55A2134-24-*	24	.0015	.006	.008	.102	.109	10.1
55A2134-22-*	22	.0015	.006	.008	.115	.122	13.4
55A2134-20-*	20	.0015	.006	.008	.132	.139	19.0

^{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 hoursBLOCKING: 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 hoursLOW 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 slash separating component wire colors and a
dash separating the component wire colors from the
jacket color.

Example:

AWG 20, white, black and red component wires,
white jacket: 55A2134-20-9/0/2-9.

Raychem

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