

SPECIFICATION SHEET

55A6050

CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED,
ONE CONDUCTOR, SHIELDED, JACKETED, NORMAL WEIGHT

29 July 1986

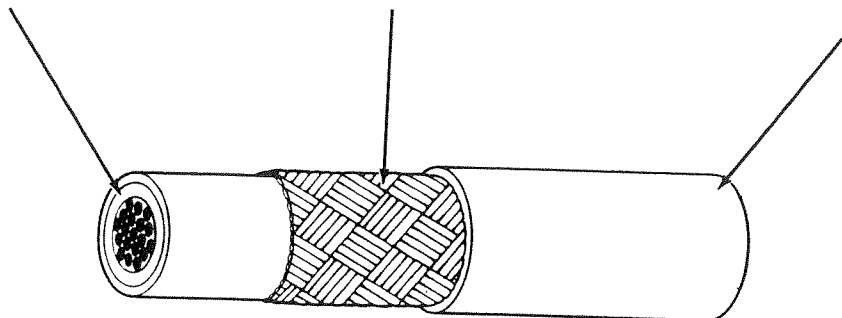
Revision A

200°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 - 55A0814

SHIELD - SILVER-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 ^{1/}	NOMINAL ^{1/}	MAXIMUM	
55A6050-30-*	30	38	.006	.008	.065	.070	4.0
55A6050-28-*	28	38	.006	.008	.068	.073	4.5
55A6050-26-*	26	38	.006	.008	.073	.078	5.3
55A6050-24-*	24	38	.006	.008	.078	.083	6.3
55A6050-22-*	22	38	.006	.008	.084	.089	7.9
55A6050-20-*	20	38	.006	.008	.092	.097	10.0

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

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, 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, 60 Hz (rms), 100% test

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

LIFE CYCLE: 230 ± 3°C for 500 hours

LOW TEMPERATURE-COLD BEND: -65 ± 2°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: 55A6050-20-9-9.**Raychem**

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4151 361 3333 TWX 910 373 1205THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.