

# SPECIFICATION CONTROL DRAWING

**55A6052**

TITLE

THREE CONDUCTOR CABLE, MODIFIED ETFE  
INSULATED, SHIELDED, JACKETED, NORMAL WEIGHT, 600 VOLT

Date

6-11-99

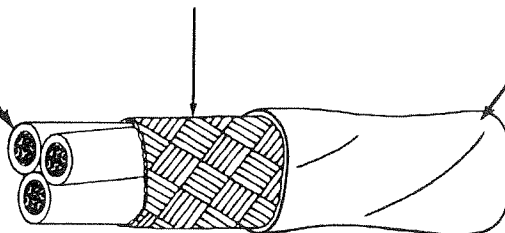
Revision

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

COMPONENT WIRES - 55A0814

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED,  
MODIFIED ETFE

## CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A6052-26-*	26	38	.006	.008	.119	.125	12.1
55A6052-24-*	24	38	.006	.008	.130	.136	14.4
55A6052-22-*	22	38	.006	.008	.143	.149	18.5
55A6052-20-*	20	38	.006	.008	.160	.167	24.7

## 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/in<sup>2</sup> (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 ± 2°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 a color code designator 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 and red component wires; white jacket: 55A6052-20-9/0/2-9

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

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

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

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