

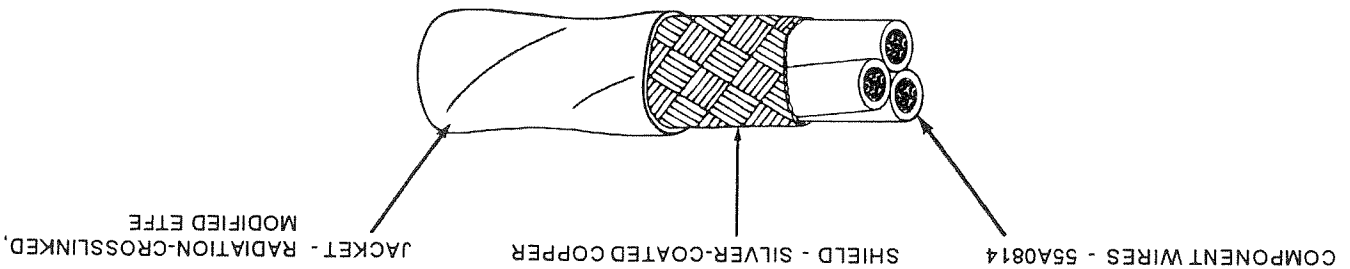
# SPECIFICATION CONTROL DRAWING

55A6052

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

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

Date: 6-11-99  
Revision: C



CABLE CONSTRUCTION DETAILS						
PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)	
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM
55A6052-26*	26	38	.006	.008	.119	.125
55A6052-24*	24	38	.006	.008	.130	.136
55A6052-22*	22	38	.006	.008	.143	.149
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

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

TEMPERATURE RATING: 200°C  
 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

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

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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