

# SPECIFICATION CONTROL DRAWING

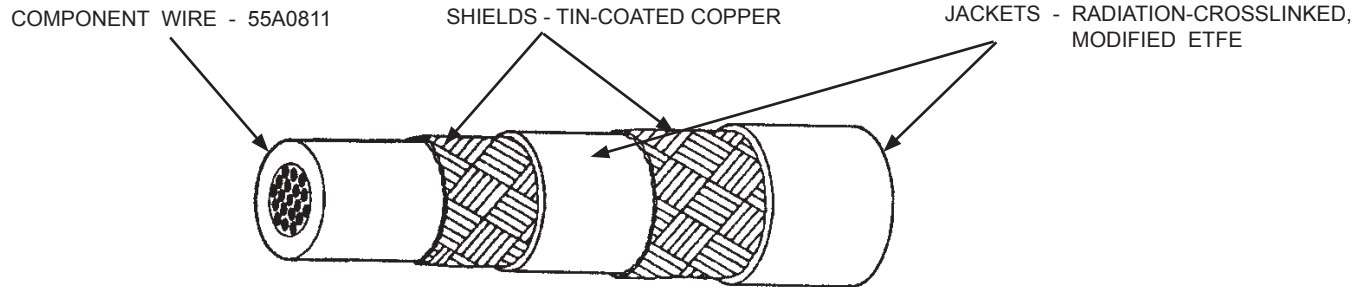
**55AC6067**

TITLE ONE CONDUCTOR CABLE, DOUBLE SHIELDED, DOUBLE JACKETED, GENERAL PURPOSE, 600 VOLT

Date 3-13-09

Revision A

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



### CABLE CONSTRUCTION DETAILS

PART NUMBER 1/	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	INNER JACKET THICKNESS (inches)		OUTER SHIELD SIZE (AWG)	OUTER JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	MAXIMUM		MINIMUM	MAXIMUM	NOMINAL	MAXIMUM	
55AC6067-24-*	24	38	.004	.008	38	.005	.010	.107	.114	13.3
55AC6067-22-*	22	38	.004	.008	38	.005	.010	.112	.120	15.0
55AC6067-20-*	20	38	.004	.008	38	.005	.010	.120	.128	17.7
55AC6067-18-*	18	38	.004	.008	38	.005	.010	.132	.142	22.1
55AC6067-16-*	16	38	.004	.008	38	.005	.010	.139	.149	24.9

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms) at sea level  
 BLOCKING: 200 ± 3°C for 6 hours  
 CROSSLINKED VERIFICATION: 300 ± 5°C for 6 hours  
 DIELECTRIC WITHSTAND:  
 1500 volts (rms), 60 Hz conductor to shield,  
 500 volts (rms), 60 Hz shield to shield  
 FLAMMABILITY: Procedure 1,  
 3 seconds (maximum); 3 inches (maximum);  
 no flaming of facial tissue  
 JACKET COLOR: White preferred  
 JACKET ELONGATION AND TENSILE STRENGTH :  
 Elongation, 50% (minimum) (each)  
 Tensile Strength, 5000 lbf/in<sup>2</sup> (minimum) (each)  
 JACKET FLAWS:  
 Spark Test, 1.5 kV (rms)  
 Impulse Dielectric Test, 6.0 kV (peak)

LOW TEMPERATURE-COLD BEND: -55 ± 5°C for 4 hours  
 SHIELD COVERAGE: 90% (minimum) (each)  
 VOLTAGE WITHSTAND TEST (Post Environmental):  
 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:  
 The "\*" in the part numbers above shall be replaced by color code designators with a dash separating the component wire color from the inner jacket color and a dash separating the inner jacket color from the outer jacket color.

1/ Example: AWG 20, white component wire; white inner jacket and white outer jacket: 55AC6067-20-9-9-9

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

This cable shall meet all constructional requirements of M27500 (AWGSD1V73).

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.	
1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx"). OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.	
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	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.
	Raychem Wire & Cable 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297