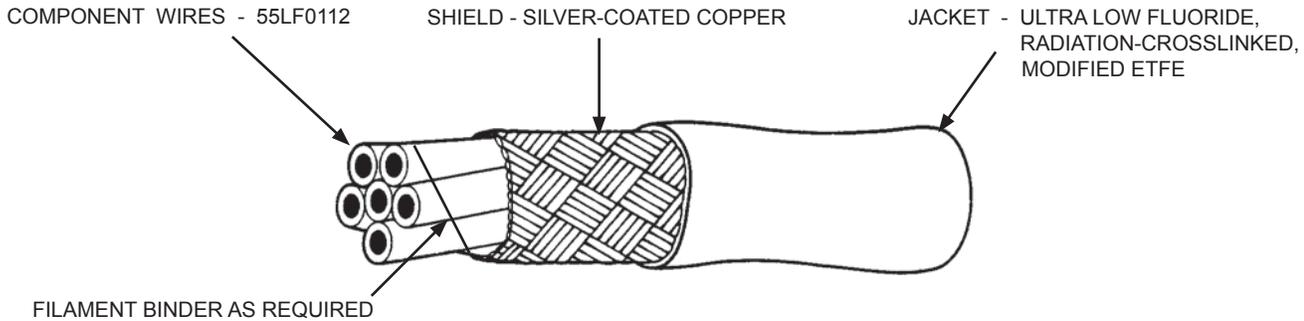


# SPECIFICATION CONTROL DRAWING

**55LF1162**

TITLE	SIX CONDUCTOR CABLE, SHIELDED, JACKETED, ULTRA LOW FLUORIDE, GENERAL PURPOSE, 600 VOLT	Date	5-26-09	Revision	A
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This specification sheet forms a part of the latest issue of Raychem Specification 55A.



### CABLE CONSTRUCTION DETAILS

PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55LF1162-30-*	30	38	.006	.008	.105	.111	10.2
55LF1162-28-*	28	38	.006	.008	.114	.120	12.4
55LF1162-26-*	26	38	.006	.008	.129	.135	16.4
55LF1162-24-*	24	38	.006	.008	.144	.150	21.2
55LF1162-22-*	22	38	.006	.008	.162	.169	27.4
55LF1162-20-*	20	38	.006	.008	.186	.193	38.1
55LF1162-18-*	18	38	.006	.008	.218	.226	53.7
55LF1162-16-*	16	38	.007	.009	.242	.250	67.1
55LF1162-14-*	14	38	.007	.009	.290	.305	99.7
55LF1162-12-*	12	36	.008	.010	.353	.371	150.

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms) at sea level  
 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  
 FLUORIDE EXTRACTION: 70 ± 2°C for 168 hours,  
 20 ppm (maximum)  
 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)  
 Impulse Dielectric Test, 6.0 kV (peak)

LIFE CYCLE: 230 ± 3°C for 500 hours  
 LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours  
 SHIELD COVERAGE: 85% (minimum)  
 VOLTAGE WITHSTAND (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 slash separating the component  
 wire colors and a dash separating the component wire colors  
 from the jacket color. Colors shown do not necessarily reflect  
 the sequence of manufacturing.

1/ Example: AWG 22, black, brown, red, orange, yellow and  
 green component wires; white jacket:  
 55LF1162-22-0/1/2/3/4/5-9

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

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.

Page 1 of 1	The TE logo, Tyco Electronics, and Raychem are trademarks.		Raychem Wire & Cable 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297
	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.		