

# SPECIFICATION CONTROL DRAWING

SCD

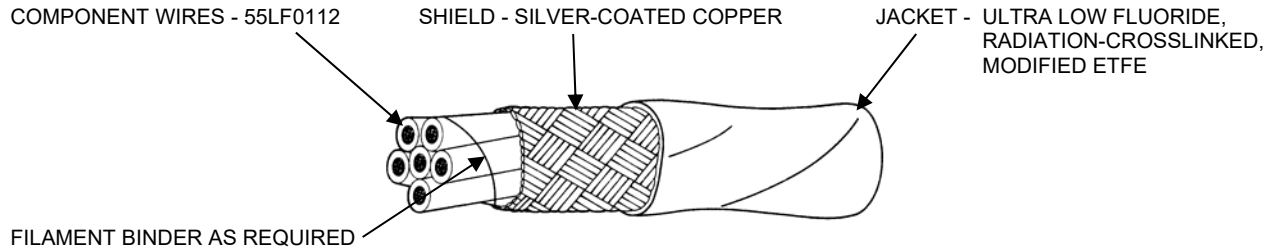
**55LF1162**

Title SIX CONDUCTOR CABLE, SHIELDED, JACKETED,  
ULTRA LOW FLUORIDE, GENERAL PURPOSE, 600 VOLT

Date 10-26-18

Revision B

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



## CABLE CONSTRUCTION DETAILS

PART NUMBER <sup>1/</sup>	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55LF1162-30-*	30	38	.006	.008	.105	.110	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	.151	21.2
55LF1162-22-*	22	38	.006	.008	.162	.170	27.4
55LF1162-20-*	20	38	.006	.008	.183	.192	38.1
55LF1162-18-*	18	38	.006	.008	.213	.224	53.7
55LF1162-16-*	16	38	.007	.009	.239	.251	67.1
55LF1162-14-*	14	38	.007	.009	.290	.305	99.7
55LF1162-12-*	12	36	.008	.010	.350	.368	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

COMPONENT WIRE COLOR: Per MIL-STD-681, except light colors (xL) shall meet Munsell color limits for UV laser markable wire in SAE AS22759.

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

FLAMMABILITY: Procedure 1, 3 seconds (maximum), 3 inches (maximum); no flaming of facial tissue

FLUORIDE EXTRACTION: 70 ± 2°C for 168 hours, 20 ppm (maximum)

JACKET COLOR: Per MIL-STD-681, 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 ± 2°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND (Post Environmental): 1000 volts (rms), 60 Hz, 1 minute

### <sup>1/</sup> 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.

Example: AWG 22, light black, light red, light orange, light green, light blue, and white component wires; white jacket: 55LF1162-22-0L/2L/3L/5L/6L/9-9

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. TE Connectivity also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

<sup>1/</sup> COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681, EXCEPT LIGHT COLORS SHALL BE DESIGNATED WITH AN "L" AFTER THE COLOR CODE (0L, 1L, 2L, etc.). 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.

