

# SPECIFICATION CONTROL DRAWING

SCD

**55LF0144**

Title FOUR CONDUCTOR CABLE, UNSHIELDED, UNJACKETED,  
ULTRA LOW FLUORIDE, GENERAL PURPOSE, 600 VOLT

Date 10-17-18

Revision C

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

COMPONENT WIRES - 55LF0114



CABLE CONSTRUCTION DETAILS				
PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)
		NOMINAL	MAXIMUM	
55LF0144-30-*	30	.058	.071	2.7
55LF0144-28-*	28	.065	.079	3.7
55LF0144-26-*	26	.077	.093	5.7
55LF0144-24-*	24	.090	.106	8.2
55LF0144-22-*	22	.104	.123	11.8
55LF0144-20-*	20	.121	.142	18.0
55LF0144-18-*	18	.145	.169	26.5
55LF0144-16-*	16	.165	.191	33.9

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms) at sea level  
 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

INSULATION FLAWS:

Spark Test, 5.7 kV (rms) at 3 kHz  
 Impulse Dielectric Test, 8.0 kV (peak)

1/ PART NUMBER:

The "\*" in the part numbers above shall be replaced  
 by color code designators with a slash separating the  
 component wire colors. Colors shown do not  
 necessarily reflect the sequence of manufacturing.  
 Example: AWG 22, light orange, light green, light blue,  
 and white component wires:  
 55LF0144-22-3L/5L/6L/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.

1/ 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.

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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.



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