

SPECIFICATION CONTROL DRAWING

55/LF1122

TITLE TWO CONDUCTOR CABLE, SHIELDED, JACKETED,
ULTRA LOW FLUORIDE, OUTER SPACE, 600 VOLT

Date
12-12-07

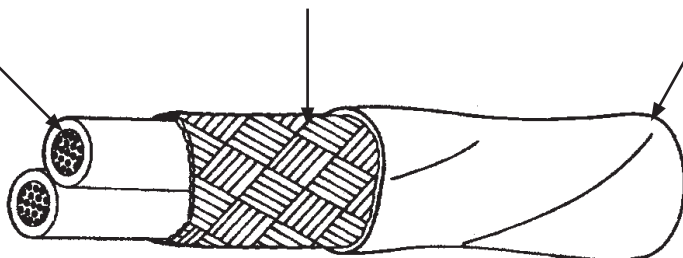
Revision
B

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

COMPONENT WIRES - 55/LF0112

SHIELD - SILVER-COATED COPPER

JACKET - LOW OUTGASSING,
ULTRA LOW FLUORIDE,
RADIATION-CROSSLINKED,
MODIFIED ETFE



CABLE CONSTRUCTION DETAILS

PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55/LF1122-28-*	28	38	.006	.008	.087	.092	6.3
55/LF1122-26-*	26	38	.006	.008	.097	.102	7.9
55/LF1122-24-*	24	38	.006	.008	.107	.113	9.8
55/LF1122-22-*	22	38	.006	.008	.119	.125	12.2
55/LF1122-20-*	20	38	.006	.008	.133	.140	16.2
55/LF1122-18-*	18	38	.006	.008	.153	.161	22.9
55/LF1122-16-*	16	38	.006	.008	.169	.177	26.6
55/LF1122-14-*	14	38	.006	.008	.203	.213	38.4
55/LF1122-12-*	12	38	.007	.009	.241	.253	55.1

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

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

JACKET COLOR: White preferred

JACKET ELONGATION: 50% (minimum)

JACKET FLAWS:

Spark Test, 1000 volts (rms)

Impulse Dielectric Test, 6.0 kV (peak)

RADIATION RESISTANCE: 500 megarads

SHIELD COVERAGE: 85% (minimum)

VACUUM STABILITY:

Total Mass Loss (TML), 1.00% (maximum)

Volatile Condensable Material, 0.10% (maximum)

VOLTAGE WITHSTAND (Post Environmental)

1500 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.

1/ Example: AWG 22, black and brown component wires;
white jacket: 55/LF1122-22-0/1-9

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.

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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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[TE Connectivity:](#)

[55/LF1122-28-6/9-9CS3245](#)