

SPECIFICATION CONTROL DRAWING

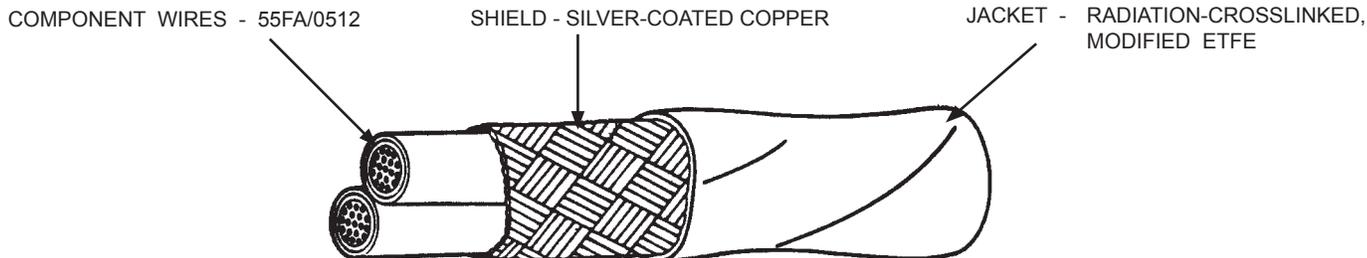
55FA/7121

TITLE TWO CONDUCTOR CABLE, SHIELDED, JACKETED, FILTERLINE, ELECTROLOSS, OUTER SPACE

Date 6-13-07

Revision B

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



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	
55FA/7121-22-*	22	38	.006	.008	.135	.142	16.2

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms) at sea level
 BLOCKING: 230 ± 3°C for 6 hours
 CROSSLINKING PROOF TEST (ACCELERATED AGING):
 300 ± 3°C for 6 hours
 FLAMMABILITY: 3 seconds (maximum); 3 in. (maximum);
 no flaming of facial tissue
 JACKET CONCENTRICITY: 70% (minimum)
 JACKET ELONGATION AND TENSILE STRENGTH:
 Elongation 50% (minimum)
 Tensile Strength, 5000 lbf/in² (minimum)
 JACKET FLAWS:
 Spark Test, 1000 volts (rms), 100% test
 Impulse Dielectric Test, 6.0 kV (peak), 100% test
 LIFE CYCLE: 230 ± 3°C for 500 hours
 LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours

SHIELD COVERAGE: 90% (minimum)
 VOLTAGE WITHSTAND (DIELECTRIC): Conductor to conductor
 and shield, 1500 volts (rms), 60 Hz
 VOLTAGE WITHSTAND (Post Environmental):
 1000 volts (rms), 60 Hz, 1 minute
 VACUUM STABILITY:
 TOTAL MASS LOSS (TML), 1.00% (maximum)
 VOLATILE CONDENSABLE MATERIAL (VCM), 0.10% (maximum)
 WEIGHT LOSS (Test per Spec 55/): 0.45% (maximum)

PART NUMBER:
 The "*" in the part number 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.
 Violet shall be light violet and the designator shall be 7L.
 Example: Light violet and light violet with a blue stripe component wires,
 black jacket: 55FA/7121-22-7L/7L6-0

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	ELECTROLOSS, FILTERLINE and RAYCHEM are trademarks of Tyco Electronics Corporation.		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.		