



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SPECIFICATION CONTROL DRAWING

55FB1542

TITLE FOUR CONDUCTOR CABLE, SHIELDED, JACKETED, FILTER LINE - ELECTROLOSS

Date 1-26-09

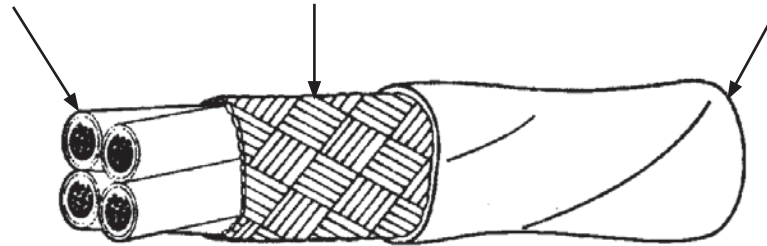
Revision A

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

COMPONENT WIRES - 55FA0512

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED, MODIFIED CONDUCTIVE ETFE



CABLE CONSTRUCTION DETAILS								JACKET FLEXURE ENDURANCE MANDREL DIAMETER (in.) (± 3%)
PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lbs/1000 ft.)	
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM		
55FB1542-22-*	22	38	.0060	.008	.155	.184	26.6	.250
55FB1542-20-*	20	38	.0060	.008	.175	.206	35.4	.325
55FB1542-18-*	18	38	.0060	.008	.201	.236	49.0	.325
55FB1542-16-*	16	38	.0070	.009	.223	.263	61.4	.500
55FB1542-14-*	14	38	.0070	.009	.264	.309	84.4	.500
55FB1542-12-*	12	38	.0070	.009	.306	.360	119.	.750
55FB1542-10-*	10	36	.0080	.010	.370	.436	182.	1.00

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms) at sea level
 BLOCKING: 200 ± 3°C for 6 hours
 CROSSLINKING PROOF TEST: 300 ± 3°C for 7 hours
 FLAMMABILITY: 3 seconds (maximum); 3 in. (maximum);
 no flaming of facial tissue
 IDENTIFICATION AND COLOR STRIPING DURABILITY:
 125 cycles (250 strokes) (minimum), 500 g weight
 JACKET COLOR: Black
 JACKET ELONGATION AND TENSILE STRENGTH:
 Elongation, 50% (minimum)
 Tensile Strength, 3500 lbf/in² (minimum)

JACKET FLAWS: Not Applicable
 JACKET FLEXURE ENDURANCE: 10 cycles, no cracking
 LIFE CYCLE: 230 ± 3°C for 500 hours
 LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours
 SHIELD COVERAGE: 85% (minimum)
 VOLTAGE WITHSTAND (DIELECTRIC):
 Conductor to conductor and shield, 1500 volts (rms), 60 Hz
 VOLTAGE WITHSTAND (Post Environmental): Not Applicable

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. Violet shall be light violet and the designator shall be 7L. Colors shown do not necessarily reflect the sequence of manufacturing.

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

Example: AWG 22, light violet, light violet with an orange stripe, light violet with a green stripe and light violet with a blue stripe
 component wires, black jacket: 55FB1542-22-7L/7L3/7L5/7L6-0

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, Electroloss 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.		