

SPECIFICATION SHEET

55FB1424

CABLE, ELECTRIC, FILTER LINE - ELECTROLOSS™  
TWO COMPONENT

5 December 1985

150°C

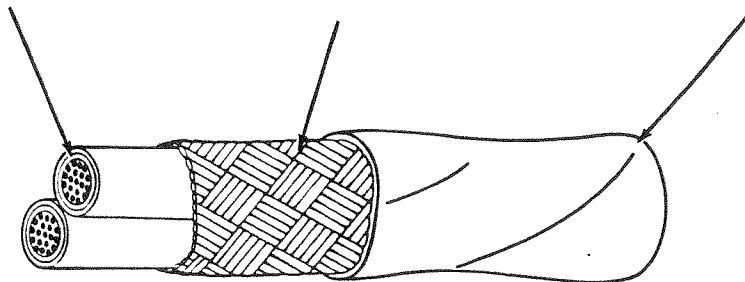
Revision D

The complete requirements for procuring the cable described herein shall consist of this document and the issue in effect of Raychem Specification 55F.

COMPONENT WIRES - 55FA0414

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,  
MODIFIED CONDUCTIVE ETFE



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft.)
			MINIMUM	NOMINAL <u>1/</u>	NOMINAL <u>1/</u>	MAXIMUM	
55FB1424-26-*	26	38	.006	.008	.133	.140	13.7
55FB1424-24-*	24	38	.006	.008	.139	.146	15.1

1/ Nominal values are for information only. Nominal values are not requirements.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

BLOCKING: 200 ± 3°C for 6 hours

COLOR STRIPING DURABILITY: 125 cycles (250 strokes) (minimum), 500 grams weight

CROSSLINKING PROOF TEST (ACCELERATED AGING): 300 ± 3°C for 7 hours

FLAMMABILITY: 3 seconds (maximum); 3 in. (maximum); no flaming of facial tissue

IDENTIFICATION DURABILITY: 125 cycles (250 strokes) (minimum), 500 grams weight

IMMERSION: 5% (maximum) diameter increase, no cracking of jacket

JACKET COLOR: Black

JACKET CONCENTRICITY: 70% (minimum)

JACKET ELONGATION AND TENSILE STRENGTH: Elongation, 50% (minimum)

Tensile Strength, 3500 psi (minimum)

JACKET FLAWS: Not Applicable

LIFE CYCLE: 200 ± 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

THERMAL SHOCK: Oven temperature, 150 ± 3°C .125 in. (maximum)

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 in accordance with MIL-STD-681; except that violet shall be light violet and the designator shall be 7L; with a slash separating component wire colors and a dash separating the component wire colors from the jacket color.  
Example: AWG 24, light violet component wires; black jacket: 55FB1424-24-7L/7L-0.

**Raychem**

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