

CABLE, ELECTRIC, FILTER LINE - ELECTROLOSS™  
THREE COMPONENT

5 December 1985

150°C

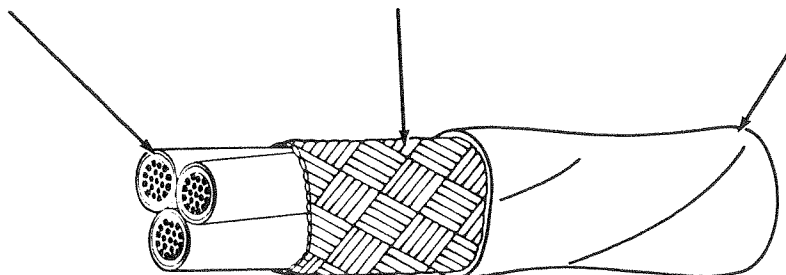
Revision 0

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	
55FB1434-26-*	26	38	.006	.008	.141	.148	17.9
55FB1434-24-*	24	38	.006	.008	.148	.155	19.8

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: 55FB1434-24-7L/7L/7L-0.