

# SPECIFICATION CONTROL DRAWING

SCD

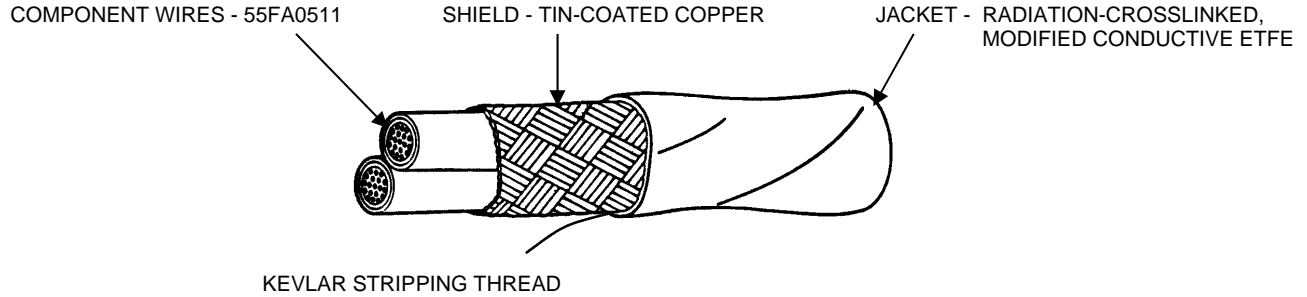
**55FB7126**

Title TWO CONDUCTOR CABLE, SHIELDED, JACKETED, FILTER LINE - ELECTROLOSS

Date 1-3-17

Revision C

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



CABLE CONSTRUCTION DETAILS							JACKET FLEXURE ENDURANCE MANDREL DIAMETER (in.) (± 3%)	
PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)			MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM		
55FB7126-22-*	22	38	.006	.008	.134	.145	16.0	.250
55FB7126-20-*	20	38	.006	.008	.150	.161	20.5	.250
55FB7126-18-*	18	38	.006	.008	.172	.183	27.8	.250
55FB7126-16-*	16	38	.006	.008	.188	.201	34.0	.325
55FB7126-14-*	14	38	.007	.009	.224	.237	46.7	.325

## 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  
 CROSSLINKING PROOF TEST: 300 ± 3°C for 7 hours  
 FLAMMABILITY: 3 seconds (maximum); 3 inches (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/in<sup>2</sup> (minimum)  
 JACKET FLAWS: Not applicable  
 JACKET FLEXURE ENDURANCE: 10 cycles, no cracking  
 LIFE CYCLE: 200 ± 3°C for 168 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

### 1/ 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.  
 Example: AWG 22, light violet and light violet with a blue stripe component wires; black jacket:  
 55FB7126-22-7L/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 Corporation 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.

