

# SPECIFICATION CONTROL DRAWING

SCD

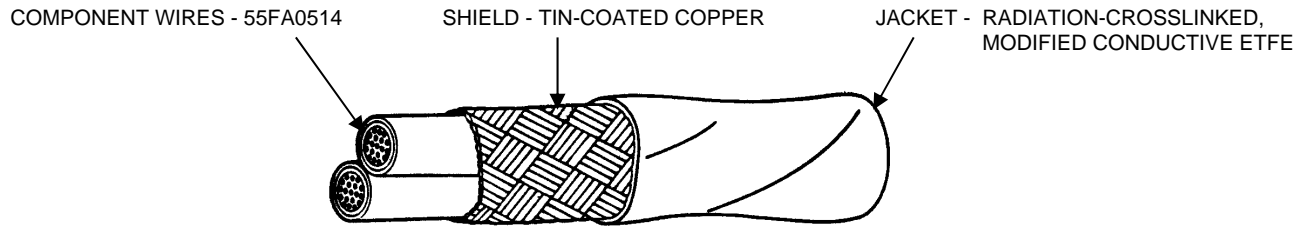
**55FB1524**

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

Date 9-26-16

Revision E

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



### CABLE CONSTRUCTION DETAILS

PART NUMBER <i>1/</i>	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)	JACKET FLEXURE ENDURANCE MANDREL DIAMETER (in.) (± 3%)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM		
55FB1524-26-*	26	38	.0060	.008	.119	.125	11.2	.250
55FB1524-24-*	24	38	.0060	.008	.122	.131	13.0	.250
55FB1524-22-*	22	38	.0060	.008	.134	.145	16.0	.250
55FB1524-20-*	20	38	.0060	.008	.150	.161	20.5	.250

### 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  
 FLUORIDE EXTRACTION:  
 70 ± 2°C for 168 hours, 250 ppm (maximum)  
 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.  
 Example: AWG 24, light violet and light violet with a blue stripe component wires; black jacket:  
 55FB1524-24-7L/7L6-0

This product meets or exceeds all requirements of SAE AS85485/12 for 24 AWG, less identification.  
 Internal wire size 24 AWG meets or exceeds all requirements of SAE AS85485/10, less identification.  
 All other AWG sizes meet or exceed all requirements of SAE AS85485, less identification.

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.**



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