

SPECIFICATION CONTROL DRAWING

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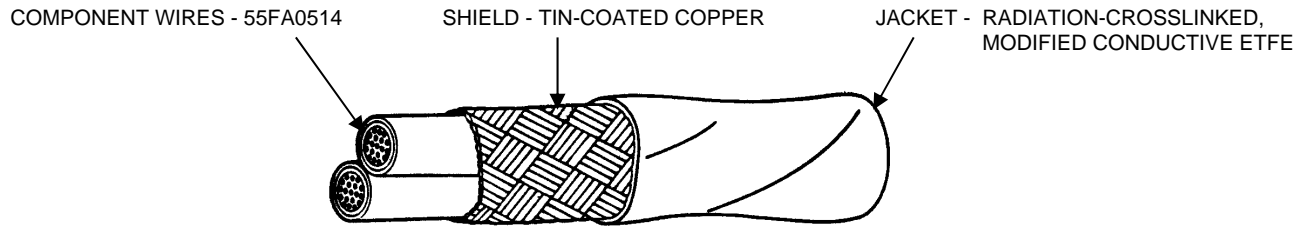
55FB1524

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								JACKET FLEXURE ENDURANCE MANDREL DIAMETER (in.) (± 3%)
PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)	
			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/in² (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.

