SPECIFICATION CONTROL DRAWING 55FB1531

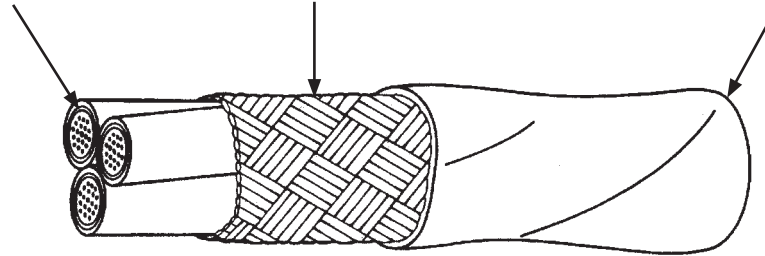| TITLE			
THREE CONDUCTOR CABLE, SHIELDED, JACKETED, FILTER LINE - ELECTROLOSS	Date 8-13-10	Revision F	

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

COMPONENT WIRES - 55FA0511   SHIELD - TIN-COATED COPPER   JACKET - RADIATION-CROSSLINKED, MODIFIED CONDUCTIVE ETFE

PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lbs/1000 ft.)	JACKET FLEXURE ENDURANCE MANDREL DIAMETER (in.) (± 3%)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM		
55FB1531-22-*	22	38	.0060	.008	.142	.154	20.9	.250
55FB1531-20-*	20	38	.0060	.008	.159	.171	27.6	.250
55FB1531-18-*	18	38	.0060	.008	.183	.195	38.0	.325
55FB1531-16-*	16	38	.0060	.008	.201	.214	47.0	.325
55FB1531-14-*	14	38	.0070	.009	.239	.253	65.1	.325
55FB1531-12-*	12	38	.0070	.009	.277	.291	91.9	.500
55FB1531-10-*	10	38	.0080	.010	.331	.347	136.	.750

CABLE CONSTRUCTION DETAILS (table header)

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 in. (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)

NOTE: Nominal values are for information only.
  Nominal values are not requirements.

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

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. Colors shown do not necessarily reflect the sequence of manufacturing.

Example: AWG 22, light violet, light violet with an orange stripe and light violet with a blue stripe component wires, black jacket:
  55FB1531-22-7L/7L3/7L6-0

This product meets or exceeds all requirements of SAE AS85485/12 for 22-14 AWG, less identification.
Internal wire sizes 22-10 AWG meet or exceed all requirements of SAE AS85485/9, less identification.
All other AWG sizes meet or exceed all requirements of SAE AS85485, less identification.

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.
Tyco Electronics 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.

Page 1 of 1	DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL	Tyco Electronics	Raychem Wire & Cable 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297
	THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.		

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