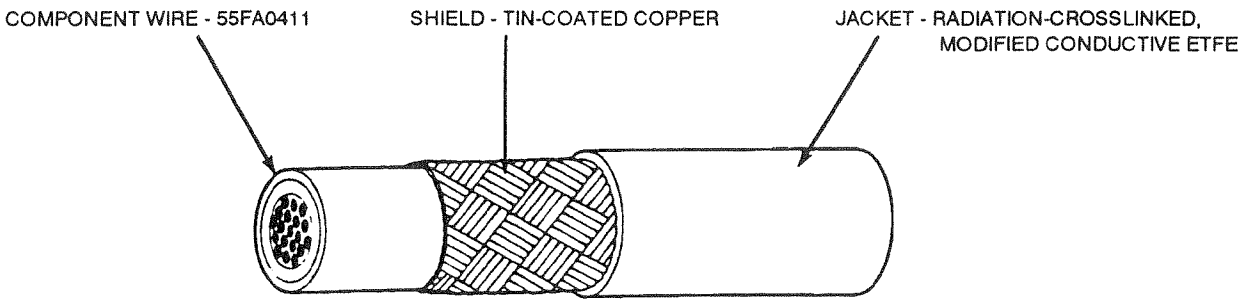
SPECIFICATION CONTROL DRAWING

55FB1411

TITLE	Date	Revision
ONE CONDUCTOR CABLE, FILTER LINE, ELECTROLOSS™	6-25-92	J

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



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55FB1411-22-*	22	38	.006	.008	.095	.100	10.6
55FB1411-20-*	20	38	.006	.008	.103	.108	13.1
55FB1411-18-*	18	38	.006	.008	.113	.119	16.5
55FB1411-16-*	16	38	.006	.008	.119	.125	19.0
55FB1411-14-*	14	38	.006	.008	.133	.140	24.9
55FB1411-12-*	12	38	.006	.008	.160	.168	36.4
55FB1411-10-*	10	38	.006	.008	.184	.193	51.1
55FB1411- 8-*	8	38	.007	.009	.273	.287	97.0

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms) at sea level
ACCELERATED AGING (CROSSLINKING PROOF TEST):
300 ± 3°C for 7 hours
* BLOCKING: 200 ± 3°C for 6 hours
FLAMMABILITY: 3 seconds (maximum); 3 in. (maximum); no flaming of facial tissue
IDENTIFICATION AND COLOR STRIPING DURABILITY:
125 cycles (250 strokes) (minimum), 500 g 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 lbf/in² (minimum)

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

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)
VOLTAGE WITHSTAND TEST (DIELECTRIC): Conductor to shield, 1500 volts (rms), 60 Hz
VOLTAGE WITHSTAND TEST(POST ENVIRONMENTAL):
Not Applicable

PART NUMBER:
The "*" in the part numbers above shall be replaced by a color code designator except that violet shall be light violet and the designator shall be 7L with a dash separating the component wire color from the jacket color.
Example: AWG 20, light violet component wire; black jacket: 55FB1411-20-7L-0

* Qualification Test

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL

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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