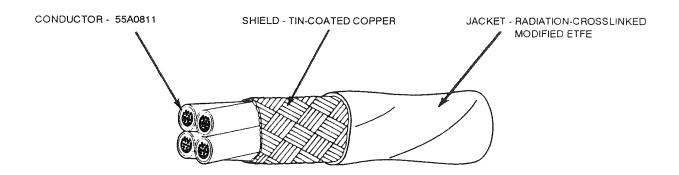
SPECIFICATION CONTROL DRAWING

55A7038

FOUR CONDUCTOR CABLE, SHIELDED, JACKETED

4-3-91

This specification sheet forms a part of the latest issue of Raychem Specification 55A and MIL-C-27500 as applicable



CABLE CONSTRUCTION DETAILS							
PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft.)
	, ,		MINIMUM	MAXIMUM	NOMINAL	MAXIMUM	, .
55A7038-12-*	12	36	.007	.013	.308	.361	108.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

AGING STABILITY: 230 ± 5°C for 96 hours

BLOCKING: 200 ± 3°C for 6 hours

CROSSLINKED VERIFICATION: 300 ± 5°C for 6 hours

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

FLAMMABILITY:

Procedure 1, 3 seconds (maximum); 3 in. (maximum);

no flaming of facial tissue

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in2 (minimum)

JACKET FLAWS:

Spark Test, 1500 volts (rms), 60 Hz, 100% test Impulse Dielectric Test, 6.0 kV (peak), 100% test

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

LOW TEMPERATURE-COLD BEND: -65 ± 5°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

THERMAL SHOCK: 230 ± 5°C for 4 hours

VOLTAGE WITHSTAND TEST: (After Crosslinked Verification, Immersion and Low Temperature-Cold

Bend) 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The *** in the part number above shall be replaced by a color code designator with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.

Example: AWG 12, white, blue, orange and green component wires; white jacket:

55A7038-12-9/6/3/5-9

This construction meets all the requirements of M27500-AWGSD4T23, less identification.

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

DIMENSIONS ARE IN INCHES, AND LINESS OTHERWISE DESIGNATED ARE NOMINAL

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