

SPECIFICATION CONTROL DRAWING

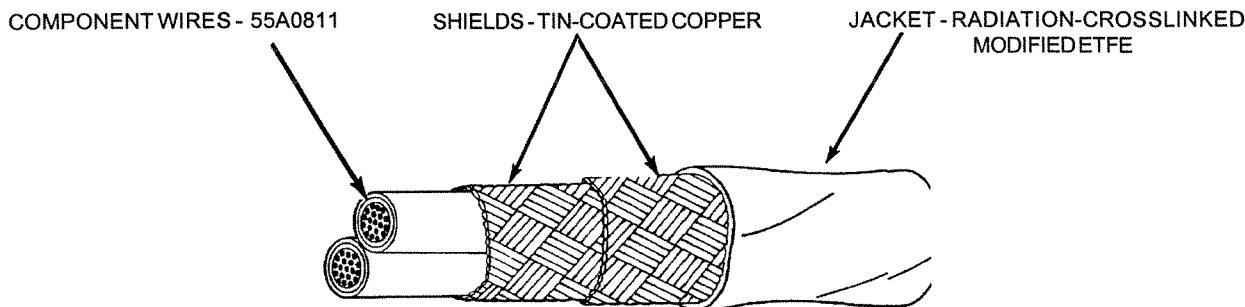
55A6287

TITLE TWO CONDUCTOR CABLE, DOUBLE SHIELDED, JACKETED, NORMAL WEIGHT, 600 VOLT

Date 12-12-00

Revision D

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



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	1ST SHIELD SIZE (AWG)	2ND SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lb/1000 ft.)
				MINIMUM	MAXIMUM	NOMINAL	MAXIMUM	
55A6287-24-*	24	38	38	.005	.010	.140	.147	17.7
55A6287-22-*	22	38	38	.005	.010	.150	.158	20.6
55A6287-20-*	20	38	38	.005	.010	.166	.174	25.5
55A6287-18-*	18	38	38	.006	.011	.190	.200	33.4
55A6287-16-*	16	38	38	.006	.011	.204	.214	38.7
55A6287-14-*	14	38	38	.007	.012	.240	.252	53.1
55A6287-12-*	12	38	38	.007	.013	.274	.288	70.7
55A6287-10-*	10	38	36	.008	.014	.326	.342	106.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

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), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

LOW TEMPERATURE-COLD BEND: -55 ± 5°C for 4 hours

SHIELD COVERAGE: 85% (minimum) (each)

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):

1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The "*" in the part numbers 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 22, white, white with blue stripe, component wires; white jacket; 55A6287-22-9/96-9

This cable shall meet all constructional requirements of M27500 (AWGSD2V23).

NOTE: Nominal values are for information only.

Nominal values are not requirements.

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

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

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