

SPECIFICATION CONTROL DRAWING

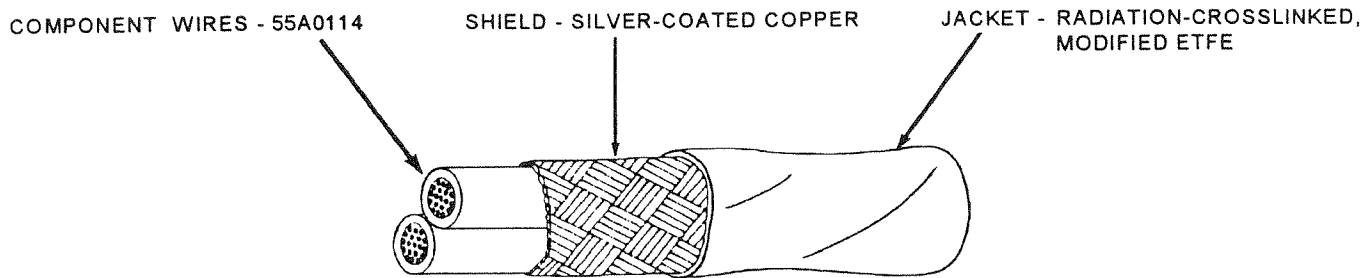
55A6262

TITLE TWO CONDUCTOR CABLE, SHIELDED, JACKETED,
LIGHTWEIGHT, 600 VOLT

Date 7-17-97

Revision E

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



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lb/1000 ft.)
			MINIMUM	MAXIMUM	NOMINAL	MAXIMUM	
55A6262-30-*	30	38	.005	.010	.081	.086	5.4
55A6262-28-*	28	38	.005	.010	.087	.092	6.3
55A6262-26-*	26	38	.005	.010	.097	.102	7.9
55A6262-24-*	24	38	.005	.010	.107	.112	9.8
55A6262-22-*	22	38	.005	.010	.119	.125	12.4
55A6262-20-*	20	38	.005	.010	.133	.142	16.4
55A6262-16-*	16	38	.006	.011	.171	.180	27.4

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°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

LOW TEMPERATURE-COLD BEND: -55 ± 5°C for 4 hours
 THERMAL SHOCK: 230 ± 5°C for 4 hours
 SHIELD COVERAGE: 85% (minimum)
 VOLTAGE WITHSTAND TEST: (POST ENVIRONMENTAL)
 1000 volts (rms), 60 Hz, 1 minute

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 20, white and blue component wires; white jacket: 55A6262-20-9/6-9

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

This construction meets all the requirements of M27500-AWGSC2S23, AWG size 30 - 20 only, less identification.

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

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

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