

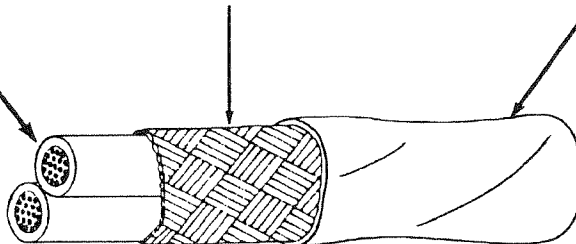
SPECIFICATION CONTROL DRAWING

55A6262TITLE TWO CONDUCTOR CABLE, SHIELDED, JACKETED,
LIGHTWEIGHT, 600 VOLTDate
7-17-97Revision
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This specification sheet forms a part of the latest issue of Raychem Specification 55A and MIL-27500 as applicable.

COMPONENT WIRES - 55A0114

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

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: 55A6262-20-9/6-9NOTE: 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-681.

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

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