

SPECIFICATION CONTROL DRAWING

55A6123

TITLE

ONE CONDUCTOR CABLE,
SHIELDED, JACKETED, NORMAL WEIGHT, 600 VOLT

Date

06-06-01

Revision

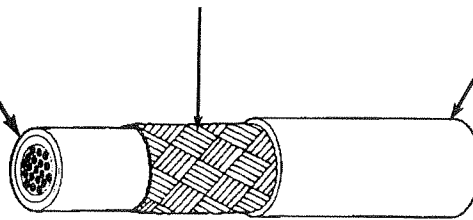
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This specification sheet forms a part of the latest issue of Raychem Specification 55A.

COMPONENT WIRE - 55A0816

SHIELD - TIN-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 (lbs/1000 ft.)
			MINIMUM	MAXIMUM	NOMINAL	MAXIMUM	
55A6123-26-*	26	38	.005	.010	.073	.078	5.6
55A6123-24-*	24	38	.005	.010	.078	.083	6.6
55A6123-22-*	22	38	.005	.010	.083	.088	7.9
55A6123-20-*	20	38	.005	.010	.091	.096	10.0
55A6123-18-*	18	38	.005	.010	.103	.108	13.8
55A6123-16-*	16	38	.005	.010	.110	.116	16.1

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)

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 dash separating

the component wire color from the jacket color.

Example: AWG 20, white component wire;

white jacket: 55A6123-20-9-9

NOTE: Nominal values are for information only.

Nominal values are not requirements.

This cable shall meet all constructional requirements of M27500 (AWGSN1T23)

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

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

Raychem