

SPECIFICATION CONTROL DRAWING

55A4843

TITLE

FOUR CONDUCTOR CABLE, JACKETED, NORMAL WEIGHT

Date

12-22-98

Revision

B

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

COMPONENT WIRES - 55A0813

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lb/1000 ft)
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A4843-26-*	26	.006	.008	.112	.131	9.3
55A4843-24-*	24	.006	.008	.124	.144	12.0
55A4843-22-*	22	.006	.008	.138	.164	16.8
55A4843-20-*	20	.006	.008	.158	.186	23.7
55A4843-18-*	18	.006	.008	.184	.216	34.9
55A4843-16-*	16	.006	.008	.204	.241	43.5
55A4843-14-*	14	.007	.009	.247	.289	64.7
55A4843-12-*	12	.007	.009	.288	.336	95.8
55A4843-10-*	10	.008	.010	.344	.408	142.
55A4843- 8-*	8	.009	.011	.494	.586	277.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

ACCELERATED AGING: 300 ± 3°C for 7 hours

BLOCKING: 200 ± 3°C for 6 hours

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

FLAMMABILITY:

Procedure 1, 3 seconds (maximum); 3 inch (maximum);
no flaming of facial tissue

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in² (minimum)

LIFE CYCLE: 230 ± 3°C for 500 hours

LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours

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 26, white, black, red and blue
component wires; white jacket:

55A4843-26-0/9/2/6-9

NOTE: Nominal values are for information only.

Nominal values are not requirements

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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