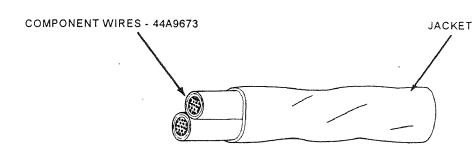
SPECIFICATION CONTROL DRAWING

TWO CONDUCTOR CABLE. JACKETED, GENERAL PURPOSE, 600 VOLT Date 2-28-97

44A9681 Revision

This specification sheet forms a part of the latest issue of Raychem Specification 44.



JACKET - RADIATION-CROSSLINKED. MODIFIED PVF,

TABLE I. CABLE CONSTRUCTION DETAILS									
PART NUMBER	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lbs/1000 ft.)			
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	1 (123/10001(.)			
44A9681-24-*	24	.006	.008	.100	.105	6.5			
44A9681-22-*	22	.006	.008	.114	.120	8.7			
44A9681-20-*	20	.006	.008	.130	.137	12.1			
44A9681-18-*	18	.006	.008	.150	.158	17.5			

TABLE II. CABLE PERFORMANCE DETAILS								
PART NUMBER	BEND TESTING							
	MANDREL D (inch) (:	IAMETER ± 3%)	WEIGHT (lb) (± 3%)					
	ACCELERATED AGING, IMMERSION AND LIFE CYCLE	COLD BEND	ACCELERATED AGING, IMMERSION AND LIFE CYCLE	COLD BEND				
44A9681-24-*	- 2.50	2.50	.375	1.50				
44A9681-22-*	3.00	3.00	.375	3.00				
44A9681-20-*	3.50	3.50	.375	3.00				
44A9681-18-*	4.00	4.00	.500	3.00				

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

ACCELERATED AGING: 225 ± 2°C for 6 hours

BLOCKING: 150 ± 2°C for 6 hours

DIELECTRIC WITHSTAND: 2500 volts (rms), 60 Hz,

1 minute

FLAMMABILITY: 30 seconds (maximum); 3 in. (maximum);

no flaming of facial tissue

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 200% (minimum)

Tensile Strength, 4000 lbf/in2 (minimum)

LIFE CYCLE: 200 ± 3°C for 168 hours

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

PART NUMBER:

The "*" in the part number 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 18, white and black component wires;

white jacket: 44A9681-18-9/0-9

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

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

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN REFERENCED Page 1 of 1 DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID

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