

SPECIFICATION CONTROL DRAWING

55A4861

TITLE SIX CONDUCTOR CABLE, JACKETED, NORMAL WEIGHT, 600 VOLT

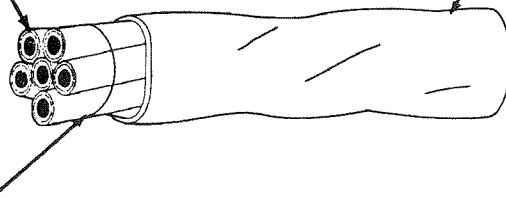
Date 7-11-97

Revision A

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

COMPONENT WIRES - 55A0811

JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



FILAMENT BINDER AS REQUIRED

CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lb/1000 ft)
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A4861-26-*	26	.006	.008	.136	.143	13.3
55A4861-24-*	24	.006	.008	.151	.159	17.3
55A4861-22-*	22	.006	.008	.166	.174	23.1
55A4861-20-*	20	.006	.008	.190	.200	32.9
55A4861-18-*	18	.007	.009	.228	.239	49.6
55A4861-16-*	16	.007	.009	.249	.261	61.2
55A4861-14-*	14	.007	.009	.300	.315	91.8
55A4861-12-*	12	.008	.010	.353	.371	135.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°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: 200 ± 3°C for 168 hours
 LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours
 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, black, red, orange, yellow, green, and blue component wires; white jacket:
 55A4861-20-0/2/3/4/5/6-9

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

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

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

Raychem