

# 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<br>SIZE<br>(AWG) | JACKET THICKNESS<br>(inch) |         | OUTSIDE DIAMETER<br>(inch) |         | MAXIMUM<br>WEIGHT<br>(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/in<sup>2</sup> (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.

**Raychem**Raychem Corporation  
300 Constitution Drive, Menlo Park, California 94025  
1-800-2 RAYCHEM FAX: 650-381-8297