

# SPECIFICATION CONTROL DRAWING

**55A7437**

TITLE

THREE CONDUCTOR CABLE, SHIELDED

Date

8-18-99

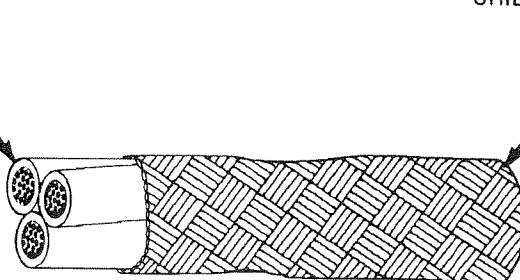
Revision

A

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

COMPONENT WIRES - 55A6543

SHIELD - SILVER-COATED COPPER



## CABLE CONSTRUCTION DETAILS

| PART NUMBER  | CONDUCTOR SIZE (AWG) | SHIELD SIZE (AWG) | OUTSIDE DIAMETER (inch) |         | MAXIMUM WEIGHT (lb/1000 ft) |
|--------------|----------------------|-------------------|-------------------------|---------|-----------------------------|
|              |                      |                   | NOMINAL                 | MAXIMUM |                             |
| 55A7437-26-* | 26                   | 38                | .086                    | .091    | 7.9                         |
| 55A7437-24-* | 24                   | 38                | .097                    | .102    | 10.2                        |
| 55A7437-22-* | 22                   | 38                | .110                    | .115    | 13.8                        |
| 55A7437-20-* | 20                   | 38                | .127                    | .134    | 18.9                        |
| 55A7437-18-* | 18                   | 38                | .149                    | .156    | 27.3                        |
| 55A7437-16-* | 16                   | 38                | .166                    | .174    | 33.6                        |
| 55A7437-14-* | 14                   | 38                | .203                    | .213    | 49.3                        |
| 55A7437-12-* | 12                   | 38                | .242                    | .254    | 71.9                        |

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

### TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

INSULATION ELONGATION: 120% (minimum)

on wires removed from the finished cable

SHIELD COVERAGE: 85% (minimum)

### PART NUMBER:

The "\*" in the part numbers above shall be replaced by color code designators with a slash separating component wire colors.

Example: AWG 20, white, black and blue component wires: 55A7437-20-9/0/6

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.

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

**Raychem**

Raychem Corporation  
300 Constitution Drive, Menlo Park, California 94025  
1-800-2 Raychem Fax: 1-650-361-6297