

SPECIFICATION CONTROL DRAWING

55A7468

TITLE

THREE CONDUCTOR CABLE, JACKETED, NORMAL WEIGHT

Date

08-31-00

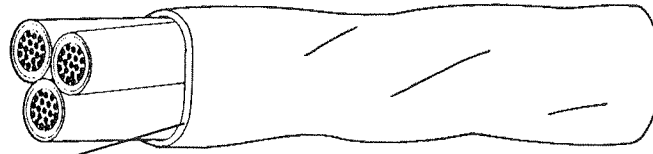
Revision

B

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

COMPONENT WIRES - 55A0811

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



FILAMENT STRIPPING THREAD

CONSTRUCTION DETAILS

| PART NUMBER | CONDUCTOR SIZE (AWG) | JACKET THICKNESS (inch) | | OUTSIDE DIAMETER (inch) | | MAXIMUM WEIGHT (lb/1000 ft) |
|--------------|----------------------|-------------------------|---------|-------------------------|---------|-----------------------------|
| | | MINIMUM | NOMINAL | NOMINAL | MAXIMUM | |
| 55A7468-26-* | 26 | .006 | .008 | .102 | .108 | 7.3 |
| 55A7468-24-* | 24 | .006 | .008 | .113 | .119 | 9.4 |
| 55A7468-22-* | 22 | .006 | .008 | .124 | .130 | 12.4 |
| 55A7468-20-* | 20 | .006 | .008 | .141 | .148 | 17.4 |
| 55A7468-18-* | 18 | .006 | .008 | .167 | .176 | 25.6 |
| 55A7468-16-* | 16 | .006 | .008 | .182 | .191 | 31.5 |
| 55A7468-14-* | 14 | .007 | .009 | .221 | .232 | 47.6 |
| 55A7468-12-* | 12 | .007 | .009 | .258 | .271 | 69.0 |
| 55A7468-10-* | 10 | .007 | .009 | .307 | .323 | 107. |

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 ± 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, black, white, and red
component wires; white jacket:
55A7468-26-0/9/2-9

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.

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