

SPECIFICATION CONTROL DRAWING

55A7354

TITLE

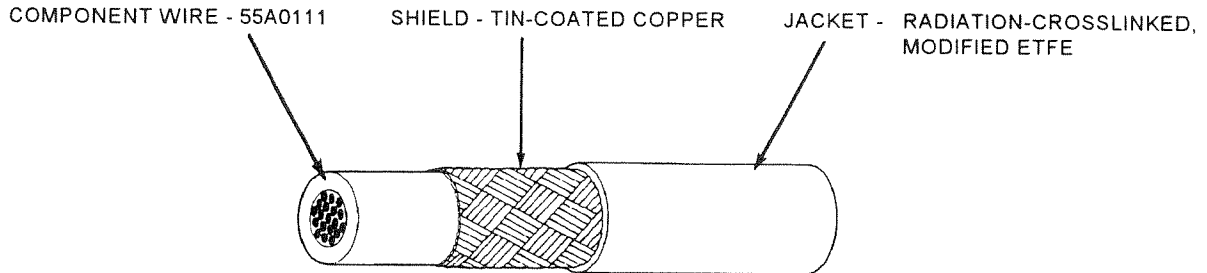
ONE CONDUCTOR CABLE,
SHIELDED, JACKETED, 600 VOLT

Date

9-16-96

Revision

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



CABLE CONSTRUCTION DETAILS

| PART NUMBER | CONDUCTOR SIZE (AWG) | SHIELD SIZE (AWG) | JACKET THICKNESS (inches) | | OUTSIDE DIAMETER (inches) | | MAXIMUM WEIGHT (lbs/1000 ft.) |
|--------------|----------------------|-------------------|---------------------------|---------|---------------------------|---------|-------------------------------|
| | | | MINIMUM | NOMINAL | NOMINAL | MAXIMUM | |
| 55A7354-20-* | 20 | 36 | .006 | .008 | .087 | .092 | 10.4 |
| 55A7354-18-* | 18 | 36 | .006 | .008 | .097 | .102 | 13.5 |
| 55A7354-16-* | 16 | 36 | .006 | .008 | .105 | .110 | 16.1 |
| 55A7354-14-* | 14 | 36 | .006 | .008 | .122 | .127 | 22.4 |
| 55A7354-12-* | 12 | 36 | .006 | .008 | .140 | .147 | 30.8 |

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 in. (maximum); no flaming of facial tissue
 JACKET COLOR: White preferred
 JACKET ELONGATION AND TENSILE STRENGTH:
 Elongation, 50% (minimum)
 Tensile Strength, 5000 lbf/in² (minimum)
 JACKET FLAWS:
 Spark Test, 1000 volts (rms), 60 Hz, 100% test
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

LIFE CYCLE: 200 ± 3°C for 168 hours
 LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours
 SHIELD COVERAGE: 90% (minimum)
 VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):
 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The "*" in the part numbers above shall be replaced by a color code designator with a dash separating the component wire color from the jacket color.
 Example: AWG 20, white component wire; white jacket:
 55A7354-20-9-9

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 DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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