

SPECIFICATION CONTROL DRAWING

55A6244

TITLE

ONE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

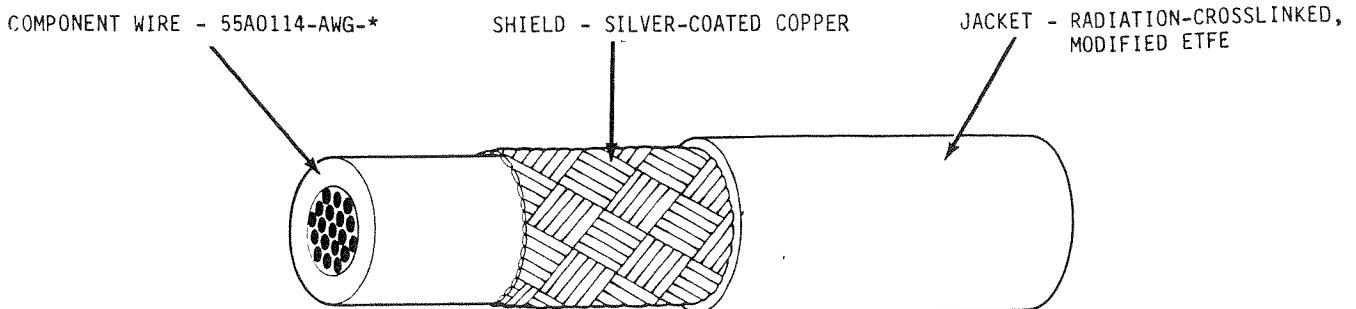
DATE:

6-3-86

REVISION:

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



CABLE CONSTRUCTION DETAILS

| PART NUMBER | CONDUCTOR SIZE (AWG) | SHIELD SIZE (AWG) | JACKET THICKNESS (in.) | | OUTSIDE DIAMETER (in.) | | MAXIMUM WEIGHT (lb/1000 ft) |
|--------------|----------------------|-------------------|------------------------|---------|------------------------|---------|-----------------------------|
| | | | MINIMUM | NOMINAL | NOMINAL | MAXIMUM | |
| 55A6244-28-* | 28 | 38 | .006 | .008 | .060 | .065 | 3.8 |
| 55A6244-26-* | 26 | 38 | .006 | .008 | .065 | .070 | 4.6 |
| 55A6244-24-* | 24 | 38 | .006 | .008 | .070 | .075 | 5.5 |
| 55A6244-22-* | 22 | 38 | .006 | .008 | .076 | .081 | 6.9 |
| 55A6244-20-* | 20 | 38 | .006 | .008 | .084 | .089 | 9.0 |

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, 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, 60 Hz (rms), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

LIFE CYCLE: 230 ± 3°C for 500 hours

LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

THERMAL SHOCK: 300 ± 3°C for 6 hours

VOLTAGE WITHSTAND TEST: (After Accelerated Aging, Immersion, Life Cycle, Low Temperature-Cold Bend and Thermal Shock) 1000 volts, 60 Hz, 1 minute

PART NUMBER:

The "*" in the part numbers above shall be replaced by color code designators in accordance with MIL-STD-681 with a dash separating the component wire color from the jacket color.

Example: AWG 26, white component wire; white jacket: 55A6244-26-9-9

This construction meets all the requirements of M27500-AWGSC1S23, less identification.

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

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[55A6244-24-9-9CS2275](#) [55A6244-26-9-9CS2275](#) [55A6244-22-9-9CS2275](#)