

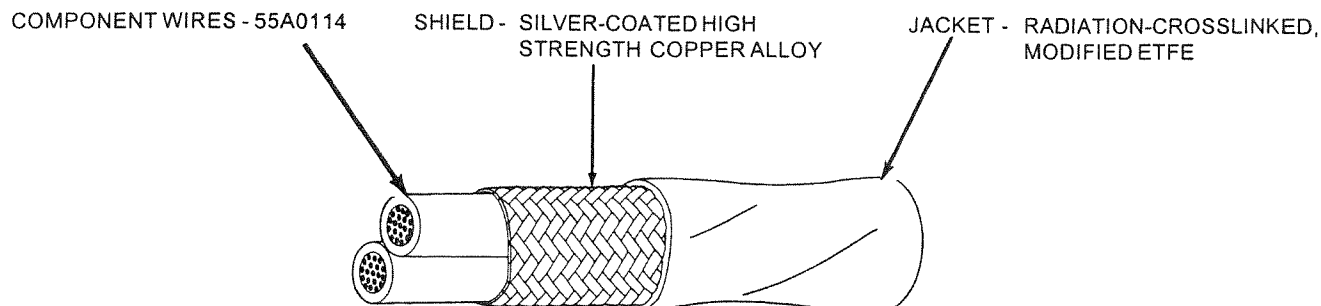
SPECIFICATION CONTROL DRAWING

55A7426

TITLE TWO CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, LIGHTWEIGHT

Date
10-07-99Revision
A

This specification sheet forms a part of the latest issue of Raychem Specification 55A and MIL-DTL-27500 as applicable.



CABLE CONSTRUCTION DETAILS

| PART NUMBER | CONDUCTOR SIZE (AWG) | SHIELD STRAND THICKNESS (± .0004 in.) | JACKET THICKNESS (inch) | | OUTSIDE DIAMETER (inch) | | MAXIMUM WEIGHT (lb/1000 ft.) |
|--------------|----------------------|---------------------------------------|-------------------------|---------|-------------------------|---------|------------------------------|
| | | | MINIMUM | MAXIMUM | NOMINAL | MAXIMUM | |
| 55A7426-30-* | 30 | .0015 | .005 | .010 | .071 | .076 | 3.8 |
| 55A7426-28-* | 28 | .0015 | .005 | .010 | .077 | .082 | 4.6 |
| 55A7426-26-* | 26 | .0015 | .005 | .010 | .087 | .092 | 6.0 |
| 55A7426-24-* | 24 | .0015 | .005 | .010 | .097 | .102 | 7.7 |

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)**BLOCKING: 200 ± 3°C for 6 hours****CROSSLINK VERIFICATION: 300 ± 5°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, 1500 volts (rms), 60 Hz, 100% test

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

LOW TEMPERATURE-COLD BEND: -55°C ± 5°C for 4 hours**SHIELD COVERAGE: 85% (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 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 28, white and white with a blue stripe component wires; white jacket:

55A7426-28-9/96-9

NOTE: Nominal values are for information only.
Nominal values are not requirements.

This construction meets all the requirements of M27500-AWGSC2H23, less identification.

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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