

SPECIFICATION CONTROL DRAWING

55A6214

TITLE

TWO CONDUCTOR CABLE, SHIELDED,
JACKETED, NORMAL WEIGHT, 600 VOLT

Date

2-4-99

Revision

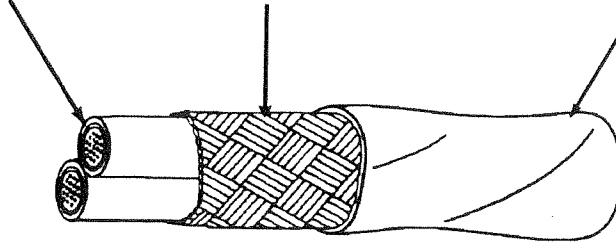
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This specification sheet forms a part of the latest issue of Raychem Specification 55A and MIL-DTL-27500 as applicable.

COMPONENT WIRES - 55A0813

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



CABLE CONSTRUCTION DETAILS

| PART NUMBER | CONDUCTOR SIZE (AWG) | SHIELD SIZE (AWG) | JACKET THICKNESS (inch) | | OUTSIDE DIAMETER (inch) | | MAXIMUM WEIGHT (lb/1000 ft) |
|--------------|----------------------|-------------------|-------------------------|---------|-------------------------|---------|-----------------------------|
| | | | MINIMUM | MAXIMUM | NOMINAL | MAXIMUM | |
| 55A6214-24-* | 24 | 38 | .005 | .010 | .123 | .129 | 11.4 |
| 55A6214-22-* | 22 | 38 | .005 | .010 | .134 | .141 | 14.1 |
| 55A6214-20-* | 20 | 38 | .005 | .010 | .150 | .158 | 18.4 |
| 55A6214-18-* | 18 | 38 | .006 | .011 | .172 | .180 | 24.9 |
| 55A6214-16-* | 16 | 38 | .006 | .011 | .188 | .196 | 29.4 |
| 55A6214-14-* | 14 | 38 | .007 | .012 | .223 | .234 | 41.8 |
| 55A6214-12-* | 12 | 38 | .007 | .012 | .257 | .270 | 57.8 |
| 55A6214-10-* | 10 | 38 | .007 | .013 | .303 | .318 | 85.1 |
| 55A6214- 8-* | 8 | 36 | .009 | .017 | .433 | .455 | 165. |
| 55A6214- 6-* | 6 | 36 | .010 | .018 | .527 | .553 | 241. |
| 55A6214- 4-* | 4 | 34 | .012 | .022 | .674 | .708 | 401. |

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°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 20, white and blue component wires; white jacket; 55A6214-20-9/6-9

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

This construction meets all the requirements of M27500-AWGSM2T23, less identification.

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

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

单击下面可查看定价，库存，交付和生命周期等信息

[>>TE Connectivity\(泰科\)](#)