

# SPECIFICATION CONTROL DRAWING

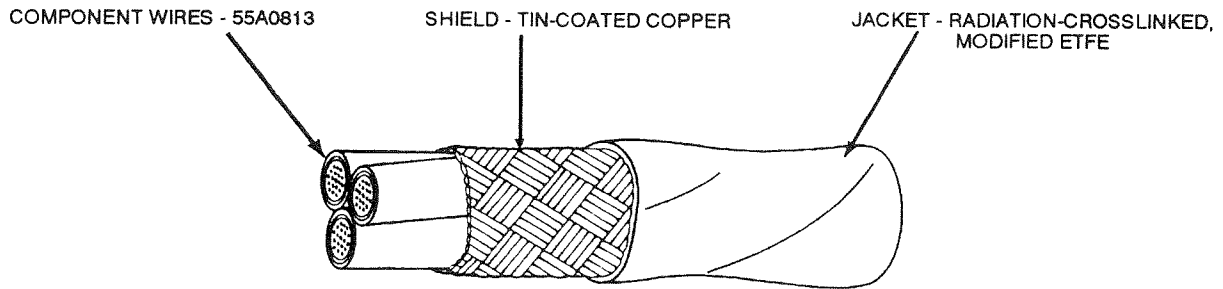
55A6215

TITLE THREE CONDUCTOR CABLE, SHIELDED, JACKETED, NORMAL WEIGHT, 600 VOLT

Date 12-11-92

Revision C

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



## CABLE CONSTRUCTION DETAILS

| PART NUMBER  | CONDUCTOR SIZE (AWG) | SHIELD SIZE (AWG) | JACKET THICKNESS (inches) |         | OUTSIDE DIAMETER (inches) |         | MAXIMUM WEIGHT (lbs/1000 ft) |
|--------------|----------------------|-------------------|---------------------------|---------|---------------------------|---------|------------------------------|
|              |                      |                   | MINIMUM                   | MAXIMUM | NOMINAL                   | MAXIMUM |                              |
| 55A6215-24-* | 24                   | 38                | .005                      | .010    | .130                      | .137    | 14.7                         |
| 55A6215-22-* | 22                   | 38                | .005                      | .010    | .142                      | .149    | 18.8                         |
| 55A6215-20-* | 20                   | 38                | .005                      | .010    | .159                      | .167    | 25.0                         |
| 55A6215-18-* | 18                   | 38                | .006                      | .011    | .183                      | .191    | 33.6                         |
| 55A6215-16-* | 16                   | 38                | .006                      | .011    | .200                      | .209    | 41.1                         |
| 55A6215-14-* | 14                   | 38                | .007                      | .012    | .238                      | .250    | 57.8                         |
| 55A6215-12-* | 12                   | 38                | .007                      | .013    | .275                      | .288    | 80.9                         |

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms)  
 AGING STABILITY: 230 ± 5°C for 96 hours  
 BLOCKING: 200 ± 3°C for 6 hours  
 CROSSLINKED 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/in<sup>2</sup> (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 ± 5°C  
 for 4 hours  
 SHIELD COVERAGE: 85% (minimum)  
 THERMAL SHOCK: 230 ± 5°C for 4 hours  
 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, blue, and orange component wires; white jacket: 55A6215-20-9/6/3-9

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

This construction meets all the requirements of M27500-AWGSM3T23. 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.

## Raychem

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单击下面可查看定价，库存，交付和生命周期等信息

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