

SPECIFICATION CONTROL DRAWING

10405

TITLE

SPECIAL PURPOSE POWER CABLE,
DOUBLE-INSULATED, 600 VOLT

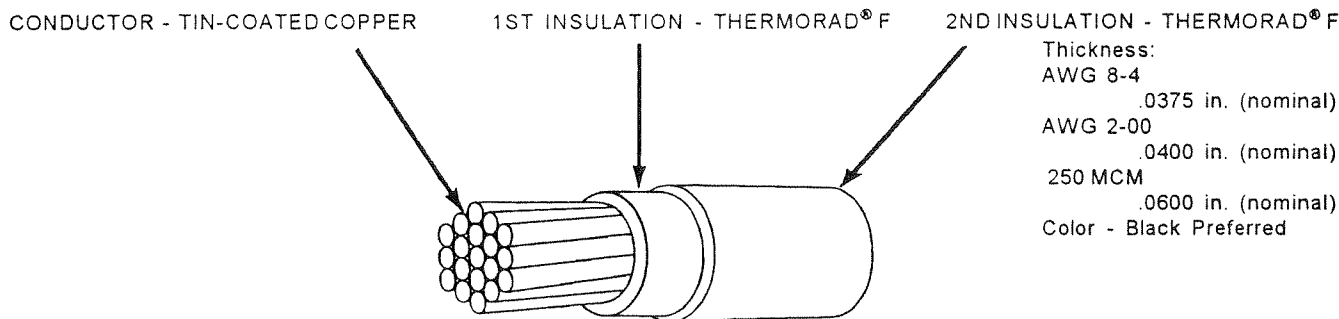
Date

9-15-98

Revision

N

This specification sheet forms a part of the latest issue of Raychem Specification WCD 3000.



CONSTRUCTION DETAILS

| PART NUMBER | WIRE SIZE (AWG) | CONDUCTOR STRANDING (number x AWG) | MAXIMUM DIAMETER OF STRANDED CONDUCTOR (in.) | FINISHED WIRE | | |
|-------------|-----------------|------------------------------------|--|---|----------------|------------------------------|
| | | | | MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft) | DIAMETER (in.) | NOMINAL WEIGHT (lbs/1000 ft) |
| 10405-8-* | 8 | 133 x 29 | .176 | .701 | .280 ± .008 | 71.3 |
| 10405-6-* | 6 | 133 x 27 | .218 | .445 | .324 ± .010 | 106. |
| 10405-4-* | 4 | 133 x 25 | .272 | .280 | .380 ± .011 | 162. |
| 10405-2-* | 2 | 665 x 30 | .345 | .183 | .466 ± .014 | 254. |
| 10405-0-* | 0 | 1045 x 30 | .432 | .116 | .560 ± .017 | 397. |
| 10405-00-* | 00 | 1330 x 30 | .504 | .091 | .616 ± .018 | 513. |
| 10405-250-* | 250 | 2499 x 30 | .716 | .043 | .932 ± .028 | 954. |

ADDITIONAL REQUIREMENTS

ACCELERATED AGING: 225°C for 4 hours, outer insulation only, tensile strength and elongation retention 50% (minimum) of original values

CONCENTRICITY: 70% (each layer)

INSULATION (JACKET FLAWS): Spark Test, 3.0 kV (rms), 60 Hz

INSULATION ELONGATION AND TENSILE STRENGTH:

Tensile Strength, 2000 lbf/in² (minimum),

Elongation, 300% (minimum), Each insulation shall be tested individually for Tensile Strength and Elongation.

PART NUMBER: The "*" in the part numbers above shall be replaced with a color code designator. Example: AWG 8, black insulation; 10405-8-0

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL

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