

SPECIFICATION CONTROL DRAWING

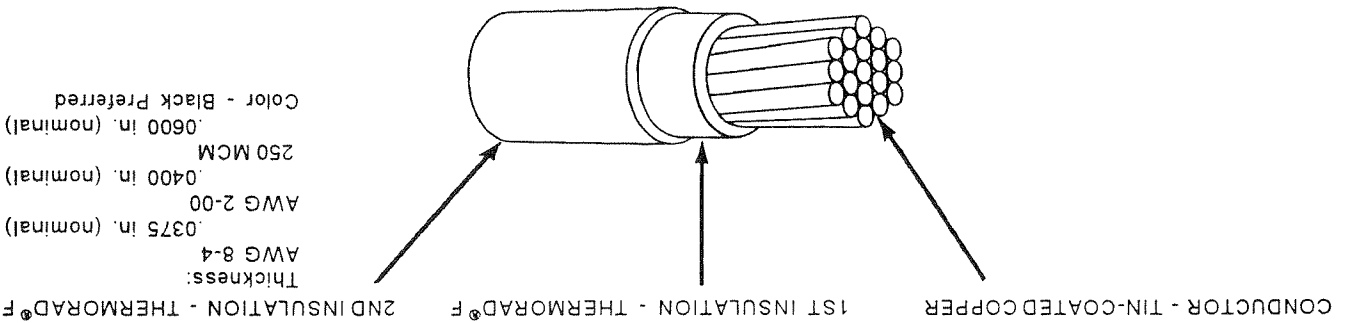
SPECIAL PURPOSE POWER CABLE,
DOUBLE-INSULATED, 600 VOLT

Date 9-15-98

Revision N

10405

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) | DIAMETER OF STRANDED CONDUCTOR (in.) | 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 lb/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-881

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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