

SPECIFICATION CONTROL DRAWING

44/9760

TITLE TWO CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, OUTER SPACE, 600 VOLT

Date 3-29-07

Revision A

This specification sheet forms a part of the latest issue of Raychem Specification 44.

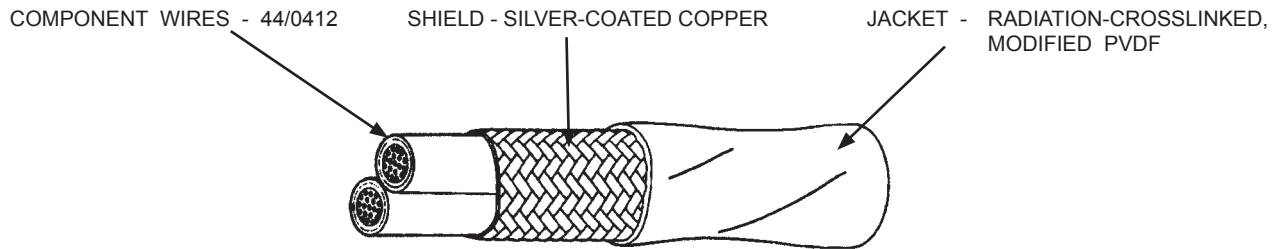


TABLE I. CABLE CONSTRUCTION DETAILS

| PART NUMBER 1/ | CONDUCTOR SIZE (AWG) | SHIELD STRAND THICKNESS (± .0004 inch) | JACKET THICKNESS (in.) | | OUTSIDE DIAMETER (in.) | | MAXIMUM WEIGHT (lbs/1000 ft.) |
|-------------------|-------------------------|---|---------------------------|---------|---------------------------|---------|----------------------------------|
| | | | MINIMUM | NOMINAL | NOMINAL | MAXIMUM | |
| 44/9760-26-* | 26 | .0015 | .006 | .008 | .089 | .094 | 6.2 |
| 44/9760-24-* | 24 | .0015 | .006 | .008 | .101 | .106 | 8.2 |
| 44/9760-22-* | 22 | .0015 | .006 | .008 | .115 | .121 | 10.9 |
| 44/9760-20-* | 20 | .0015 | .006 | .008 | .131 | .138 | 14.7 |
| 44/9760-18-* | 18 | .0015 | .006 | .008 | .151 | .159 | 20.7 |
| 44/9760-16-* | 16 | .0015 | .006 | .008 | .165 | .173 | 24.8 |
| 44/9760-14-* | 14 | .0015 | .007 | .009 | .197 | .207 | 37.0 |
| 44/9760-12-* | 12 | .0015 | .007 | .009 | .241 | .253 | 55.5 |

TABLE II. CABLE PERFORMANCE DETAILS

| PART NUMBER 1/ | BEND TESTING | | | | |
|-------------------|----------------------------------|---|-----------|---|-----------|
| | MANDREL DIAMETER (inch) (±3%) | | | WEIGHT (lb) (±3%) | |
| | RADIATION RESISTANCE | LIFE CYCLE, IMMERSION AND ACCELERATED AGING | COLD BEND | LIFE CYCLE, IMMERSION AND ACCELERATED AGING | COLD BEND |
| 44/9760-26-* | 2.50 | 3.00 | 3.00 | .125 | 1.50 |
| 44/9760-24-* | 2.75 | 3.00 | 3.00 | .185 | 1.50 |
| 44/9760-22-* | 3.25 | 3.00 | 3.00 | .185 | 3.00 |
| 44/9760-20-* | 3.50 | 6.00 | 6.00 | .185 | 3.00 |
| 44/9760-18-* | 4.25 | 6.00 | 6.00 | .250 | 3.00 |
| 44/9760-16-* | 4.50 | 6.00 | 6.00 | .250 | 3.00 |
| 44/9760-14-* | 5.50 | 6.00 | 6.00 | .500 | 9.00 |
| 44/9760-12-* | 7.00 | 6.00 | 6.00 | .500 | 9.00 |

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

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.
Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx".) OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.

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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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CABLE RATINGS AND ADDITIONAL REQUIREMENTS
TEMPERATURE RATING: 135°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level
ACCELERATED AGING: 225 ± 3°C for 6 hours
BLOCKING: 150 ± 2°C for 6 hours
DIELECTRIC WITHSTAND: 2500 volts (rms), 60 Hz, 1 minute
FLAMMABILITY: 30 seconds (maximum); 3 in. (maximum); no flaming of facial tissue
JACKET COLOR: White preferred
JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 200% (minimum)

 Tensile Strength, 4000 lbf/in² (minimum)

JACKET FLAWS:

Spark Test, 1.5 kV (rms)

Impulse Dielectric Test, 6.0 kV (peak)

LIFE CYCLE: 200 ± 3°C for 120 hours
LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours
RADIATION RESISTANCE: 500 megarads
SHIELD COVERAGE: 90% (minimum)
VACUUM STABILITY:

Total Mass Loss, 1.00% (maximum)

Volatile Condensable Material, 0.10% (maximum)

VOLTAGE WITHSTAND TEST (Post Environmental): 1000 volts (rms), 60 Hz, 1 minute
PART NUMBER:

The "*" in the part numbers on page 1 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.

1/ Example: AWG 20, black and brown component wires; white jacket: 44/9760-20-0/1-9

1/ See footer section on page 1

单击下面可查看定价，库存，交付和生命周期等信息

[>>TE Connectivity\(泰科\)](#)