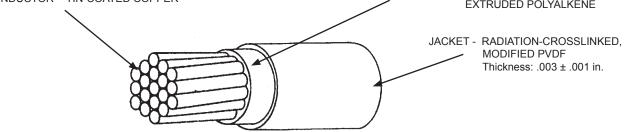
| SPECIFICATION CONTROL D | RAWING | | 44/7036 | | | | |
|----------------------------------------------------------------------------------------|---------|---------------------------------|--------------------------------|--|--|--|--|
| WIRE, RADIATION-CROSSLINKED, POLYALKENE-INSU LIGHTWEIGHT, OUTER SPACE, 600 VOLT | 5-25-11 | Н | | | | | |
| This specification sheet forms a part of the latest issue of Raychem Specification 44. | | | | | | | |
| CONDUCTOR - TIN-COATED COPPER | | SULATION - RADIATION EXTRUDE | I-CROSSLINKED, D POLYALKENE | | | | |



| TABLE I. CONSTRUCTION DETAILS | | | | | | |
|-------------------------------|-----------------------|------------------------------------------|-----------------------------------------------|----------------------------------------------------|-------------------|-------------------------------------|
| | | MAXIMUM | FINISHED WIRE | | | |
| PART NUMBER <u>1</u> / | WIRE SIZE (AWG) | CONDUCTOR STRANDING (number x AWG) | DIAMETER OF STRANDED CONDUCTOR (in.) | MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft) | DIAMETER (in.) | MAXIMUM WEIGHT (lbs/1000 ft.) |
| 44/7036-26-* | 26 | 19 x 38 | .021 | 41.3 | .033 ± .002 | 1.4 |
| 44/7036-24-* | 24 | 19 x 36 | .026 | 26.2 | .039 ± .002 | 2.0 |
| 44/7036-12-* | 12 | 19 x 25 | .092 | 1.96 | .104 ± .004 | 23.2 |

| TABLE II. PERFORMANCE DETAILS | | | | | | | |
|-------------------------------|--------------------------------------------------|--------------|------|-------------------------|------------------------------------|---------------|--------------|
| | BEND TESTING | | | | | | |
| PART NUMBER | MANDREL DIAMETER (inch) (± 3%) | | | | WEIGHT (lb) (± 3%) | | |
| 1/ | IMMERSION LIFE CYCLE AND ACCELERATED AGING | COLD BEND | WRAP | RADIATION RESISTANCE | IMMERSION AND ACCELERATED AGING | LIFE CYCLE | COLD BEND |
| 44/7036-26-* | .500 | .500 | .250 | .750 | .125 | .125 | .500 |
| 44/7036-24-* | .500 | .500 | .250 | 1.00 | .185 | .125 | .500 |
| 44/7036-12-* | 2.00 | 2.00 | 1.00 | 2.50 | .500 | .500 | 3.00 |

| Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation 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. OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER. AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER. | | | | | |
| Page 1 of 2 | Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks. | | Raychem Wire & Cable 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297 | | |
| | DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL. | - TE | | | |
| | THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID. | connectivity | | | |

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44/7036

WIRE RATINGS AND ADDITIONAL REQUIREMENTS

SPECIFICATION CONTROL DRAWING

TEMPERATURE RATING: 135°C Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level ACCELERATED AGING: 225 ± 2°C for 6 hours BLOCKING: 150 ± 2°C for 24 hours COLOR: White preferred FLAMMABILITY: 30 seconds (maximum); 3 in. (maximum); no flaming of facial tissue HUMIDITY RESISTANCE: Insulation Resistance, 5000 megohms for 1000 ft. (minimum) IDENTIFICATION AND COLOR STRIPING DURABILITY: 125 cycles (250 strokes) (minimum), 500 g weight IMMERSION: Diameter increase 5% (maximum); no cracking, no dielectric breakdown. INSULATION ELONGATION AND TENSILE STRENGTH: Primary Insulation, Elongation, 150% (minimum) Tensile Strength, 2500 lbf/in² (minimum) **INSULATION FLAWS:** Primary Insulation, Spark Test, 1.5 kV (rms) Impulse Dielectric Test, 6.0 kV (peak) Finished Wire, Spark Test, 3.0 kV (rms) at 3 kHz Impulse Dielectric Test, 8.0 kV (peak) INSULATION RESISTANCE: 5000 megohms for 1000 ft. (minimum) LIFE CYCLE: 200 ± 2°C for 120 hours LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours **RADIATION RESISTANCE: 500 megarads** SHRINKAGE: 225 ± 2°C, 0.125 in. (maximum) in 12 inches SMOKE TEST: $165 \pm 2^{\circ}$ C, no visible smoke. SURFACE RESISTANCE: 500 megohms-in. (minimum), both readings THERMAL SHOCK RESISTANCE: 135 ± 2°C, 0.060 in. (maximum) VACUUM STABILITY: Total Mass Loss (TML), 1.00% (maximum) Volatile Condensable Material (VCM), 0.10% (maximum) VOLTAGE WITHSTAND (Post Environmental): 2500 volts (rms), 60 Hz, 5 minutes; except for the following AWG 26-24 Life Cycle only: 600 volts (rms), 60 Hz, 5 minutes WICKING: 2.25 in. (maximum)

PART NUMBER: The "*" in the part numbers on page 1 shall be replaced by color code designators. 1/ Example: AWG 24, white: 44/7036-24-9 AWG 24, white with black stripe: 44/7036-24-90

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

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