



THHN, MTW, THWN-2, AWM

T90 Nylon, TWN75 (cUL)



Thermoplastic Insulated, Nylon Sheathed Heat,  
Moisture, Oil & Gasoline Resistant 600 Volt  
Copper



#### Product Description:

Regency Wire Type THHN or THWN-2 conductors are primarily used in conduit as branch circuits in commercial or industrial applications, as specified by the National Electrical Code. Type AWM or MTW conductors are primarily used as appliance or machine tool wiring, as specified by the National Electrical Code.

Type THHN or THWN-2 are available as stranded in sizes 14 awg - 750 kcmil, and as solid in sizes 14-10 awg. Stranded sizes 14 awg - 750 kcmil are also rated as AWM or MTW. The conductors are soft-annealed, stranded or solid copper and are insulated with a tough, heat and moisture resistant polyvinyl chloride (PVC), over which a nylon (polyimide) jacket is applied.

#### Specifications:

Regency Wire Type THHN or THWN-2 or AWM or MTW meets applicable ASTM specifications, UL Standard 83, UL Standard 758, and UL Standard 1063. The conductors are Gasoline and Oil Resistant II, and have a voltage rating to 600 volts. Sizes 1/0 and larger are rated for CT use. All sizes have VW1 flame rating. All THHN is UL and cUL Listed.

| Conductor  |             | PVC Insulation Thickness (Mils) | Nylon Jacket Thickness (Mils) | Nominal O.D. (Mils) | Ampacity                              | Approx. Net Weight per MFT | Color Code | Standard Package |
|--|-------------|---------------------------------|-------------------------------|---------------------|---------------------------------------|----------------------------|------------|------------------|
| Size AWG   | No. Strands |                                 |                               |                     | 90° C THHN / THWN-2                   |                            |            |                  |
| **14   | Solid       | 15                              | 4                             | 102                 | 15                                    | 16                         | 1          | AE               |
| **12   | Solid       | 15                              | 4                             | 119                 | 20                                    | 24                         | 1          | AE               |
| **10   | Solid       | 20                              | 4                             | 150                 | 30                                    | 37                         | 1          | BE               |
| 14   | 19          | 15                              | 4                             | 112                 | 15                                    | 16                         | 1          | AE               |
| 12   | 19          | 15                              | 4                             | 131                 | 20                                    | 24                         | 1          | AE               |
| 10   | 19          | 20                              | 4                             | 165                 | 30                                    | 37                         | 1          | BE               |
| 8  | 19          | 30                              | 5                             | 218                 | 55                                    | 64                         | 2          | B                |
| 6  | 19          | 30                              | 5                             | 256                 | 75                                    | 96                         | 2          | CD               |
| 4  | 19          | 40                              | 6                             | 325                 | 95                                    | 155                        | 2          | CD               |
| 3  | 19          | 40                              | 6                             | 345                 | 110                                   | 190                        | 3          | CD               |
| 2  | 19          | 40                              | 6                             | 388                 | 130                                   | 235                        | 3          | CD               |
| 1  | 19          | 50                              | 7                             | 437                 | 150                                   | 300                        | 3          | CD               |
| 1/0  | 19          | 50                              | 7                             | 477                 | 170                                   | 370                        | 3          | CD               |
| 2/0  | 19          | 50                              | 7                             | 521                 | 195                                   | 465                        | 3          | CD               |
| 3/0  | 19          | 50                              | 7                             | 571                 | 225                                   | 570                        | 3          | CD               |
| 4/0  | 19          | 50                              | 7                             | 627                 | 260                                   | 720                        | 4          | CD               |
| 250  | 37          | 60                              | 8                             | 711                 | 290                                   | 850                        | 5          | CD               |
| 300  | 37          | 60                              | 8                             | 766                 | 320                                   | 1011                       | 5          | CD               |
| 350  | 37          | 60                              | 8                             | 817                 | 350                                   | 1172                       | 5          | CD               |
| 400  | 37          | 60                              | 8                             | 864                 | 380                                   | 1333                       | 5          | CD               |
| 500  | 37          | 60                              | 8                             | 949                 | 430                                   | 1653                       | 5          | CD               |
| 600  | 61          | 70                              | 9                             | 1051                | 475                                   | 1985                       | 5          | CD               |
| 750  | 61          | 70                              | 9                             | 1126                | 535                                   | 2462                       | 5          | CD               |
| A - 2000' Carton, Four 500' Spools Per Carton Applications |             |                                 |                               |                     | ** Not Suitable for MTW               |                            |            |                  |
| B - 1000' Carton, Two 500' Spools Per Carton               |             |                                 |                               |                     |                                       |                            |            |                  |
| C - 500' Reel    D - 1000' Reel    E - 2500' Reel          |             |                                 |                               |                     | Other lengths available upon request. |                            |            |                  |

**Colors Available:**

Color Code #1) Black, White, Red, Blue, Green, Orange, Yellow, Brown, Purple, Gray, Pink, Tan

Color Code #2) Black, White, Red, Blue, Green, Orange, Yellow, Brown, Gray

Color Code #3) Black, White, Red, Green

Color Code #4) Black, Green

Color Code #5) Black

*Some colors are subject to economic order quantity.*

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Regency Wire Company

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