

## VNTC - PVC/Nylon Insulation – PVC Jacket – 16 AWG

PVC Jacket  
PVC/Nylon Insulation  
90°C - 600 Volt - UL Type TC-ER\*  
16 AWG  
E-2 Color Code



\*Product images are for illustrative purposes only and may differ from the actual product.

### Category Conductor Description:

- Fully annealed stranded bare copper per ASTM B3 Class B stranding per ASTM B8

### Category Insulation Description:

- Flame-retardant Polyvinyl Chloride (PVC) with clear Polyamide (nylon)

### Category Jacket Description:

- Lead-free, flame-retardant, sunlight-resistant Polyvinyl Chloride (PVC)

### Applications:

- In free air, raceways, and direct burial
- In wet or dry locations
- Approved for direct burial
- Class 1, Division 2 industrial hazardous locations per NEC
- Permitted for Exposed Run (ER) use in accordance with NEC for 3 or more conductors

### Standards:

- RoHS compliant
- IEEE 1202
- UL 83 NEC Type THHN/THWN conductors
- UL 1581
- \*UL 1277 Type TC-ER for 3 or more conductors
- Rated for UV/Sunlight Resistance

| Part Number Table |                      |       |            |                  |                         |                           |
|-------------------|----------------------|-------|------------|------------------|-------------------------|---------------------------|
| Part#             | Houston Wire & Cable | Gauge | Conductors | Jacket Thickness | Outside Diameter Inches | Material Weight (Lbs./M') |
| A11602F           | HW150.pdf            | 16    | 2 Flat     | 0.045            | .2000 x .3100           | 43                        |
| A11602R           | 16-02VNTCROUND       | 16    | 2          | 0.045            | 0.3                     | 48                        |
| A11603            | HW150.pdf            | 16    | 3          | 0.045            | 0.315                   | 57                        |
| A11604            | HW150.pdf            | 16    | 4          | 0.045            | 0.34                    | 71                        |
| A11605            | HW150.pdf            | 16    | 5          | 0.045            | 0.37                    | 86                        |
| A11606            | HW150.pdf            | 16    | 6          | 0.045            | 0.39                    | 98                        |
| A11607            | HW150.pdf            | 16    | 7          | 0.045            | 0.4                     | 109                       |
| A11609            | HW150.pdf            | 16    | 9          | 0.045            | 0.46                    | 140                       |
| A11610            | HW150.pdf            | 16    | 10         | 0.045            | 0.495                   | 153                       |
| A11612            | HW150.pdf            | 16    | 12         | 0.045            | 0.505                   | 177                       |
| A11615            | HW150 01615          | 16    | 15         | 0.06             | 0.605                   | 228                       |
| A11616            | HW150.pdf            | 16    | 16         | 0.06             | 0.594                   | 248                       |
| A11619            | HW150.pdf            | 16    | 19         | 0.06             | 0.635                   | 283                       |
| A11620            | HW150.pdf            | 16    | 20         | 0.06             | 0.64                    | 301                       |
| A11625            | HW150.pdf            | 16    | 25         | 0.06             | 0.705                   | 363                       |
| A11630            | HW150 01630          | 16    | 30         | 0.06             | 0.76                    | 427                       |
| A11637            | HW150.pdf            | 16    | 37         | 0.08             | 0.88                    | 536                       |
| A11650            | HW150.pdf            | 16    | 50         | 0.08             | 0.98                    | 707                       |

Note: The data shown are approximate and subject to standard industry and manufacturer tolerances. \*ER Rating only applies to 3 conductors or more; A11602F has a flat construction.

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