

## VNTC - PVC/Nylon Insulation - PVC Jacket - 10 AWG

VNTC® - PVC Jacket  
PVC/Nylon Insulation  
90°C - 600 Volt - UL Type TC  
ER Rated\*



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

### Category Conductor Description:

- Stranded bare copper Class B per UL 83

### Category Insulation Description:

- Extruded polyvinyl chloride to UL requirements for Class THHN and THWN insulation, which with nylon jacket is approved for Type THHN and THWN wires per UL 83 14 & 12 AWG - Insulation thickness .015 , Nylon thickness .004 10 AWG - Insulation thickness .020 , Nylon thickness .005

### Category Assembly Description:

- The conductors are cabled with fillers where needed to make a round compact core and a suitable tape is applied over the construction

### Category Jacket Description:

- Black sunlight resistant, flame retardant polyvinyl chloride per UL 1277 requirements for Type TC power and control cables Ripcord

### Applications:

- Control circuits for operation and interconnection of protective and signaling devices, and for general use in manufacturing, industrial and commercial distribution systems
- UL listed and labeled for installation in ladders, troughs, channels, solid bottom trays and other similar structures (NEC Articles 318 and 340), and in duct, conduit, wireways and all other installations approved for building wire
- In hazardous locations per NEC Articles 500 and 501. May be used in wet or dry locations, sunlight resistant, and suitable for direct burial

### Standards:

- UL Type TC, 600 Volt
- UL 83 NEC Type THHN/THWN conductors
- IEEE 1202 available upon request
- UL Subject 1277 (70,000 BTU/hr)
- OSHA Acceptable
- Extended Run Rated for UV/Sunlight Resistance

| Part Number Table |                      |       |            |                  |                         |                           |
|-------------------|----------------------|-------|------------|------------------|-------------------------|---------------------------|
| Part#             | Houston Wire & Cable | Gauge | Conductors | Jacket Thickness | Outside Diameter Inches | Material Weight (Lbs./M') |
| A11002F           | HW151 01002          | 10    | 2 Flat     | 0.045            | .2800 x .4300           | 111                       |
| A11002R           |                      | 10    | 2          | 0.045            | 0.42                    | 109                       |
| A11003            | HW151.pdf            | 10    | 3          | 0.045            | 0.45                    | 171                       |
| A11004            | HW151.pdf            | 10    | 4          | 0.045            | 0.505                   | 212                       |
| A11005            | HW151.pdf            | 10    | 5          | 0.06             | 0.57                    | 265                       |
| A11007            | HW151.pdf            | 10    | 7          | 0.06             | 0.62                    | 350                       |
| A11009            | HW151.pdf            | 10    | 9          | 0.06             | 0.725                   | 445                       |
| A11012            | HW151.pdf            | 10    | 12         | 0.08             | 0.815                   | 580                       |
| A11016            |                      | 10    | 16         | 0.08             | 0.975                   | 817                       |
| A11019            | HW151 01019          | 10    | 19         | 0.08             | 0.987                   | 910                       |
| A11025            |                      | 10    | 25         | 0.08             | 1.18                    | 1192                      |
| A11037            |                      | 10    | 37         | 0.08             | 1.33                    | 1192                      |

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

**Selling Exclusively Through Distribution Since 1977 <sup>™</sup> | phone: 800-292-OMNI | website: [omnicable.com](http://omnicable.com)**

**Atlanta • Boston • Charlotte • Chicago • Cincinnati • Denver • Houston • Los Angeles • Philadelphia • San Francisco • Seattle •**

**St. Louis • Tampa • Toronto**

**© 2020 Omni Cable LLC**