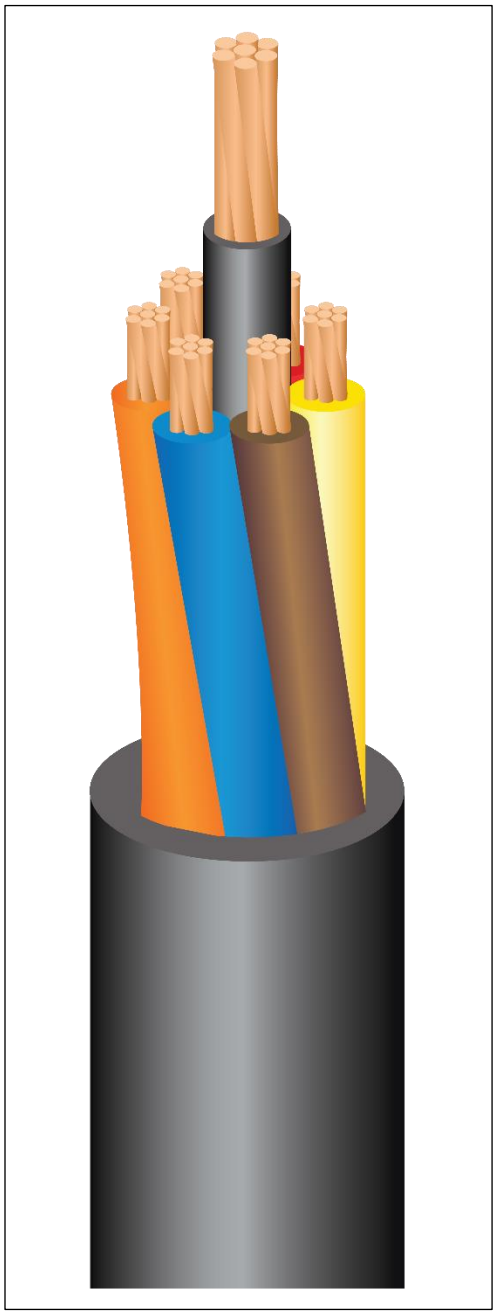
# Tray Cable 14-10 AWG Unshielded XHHW/PVC



## Scope:

Stranded copper conductors (ASTM B-8), crosslinked polyethylene (type XHHW-2) insulated for moisture and heat resistance. Phase identified and cabled together with fillers and/or binders as required. Cabled core is covered with an overall black PVC jacket that is gas and oil resistant. Jacket available in colors. Suitable for use in hazardous locations: Class 1 and 2, Division 2.

## Applicable Standards and Tests:

- UL 1277 at 600 volts
- Flame Rated: IEEE 1202 (70,000 BTU)
- ICEA S-95-658/NEMA WC-70
- Temperature Rated at 90°C Wet/Dry
- -25°C Rated
- VW-1 Rated Conductors
- Direct Burial & Sunlight Resistant
- Exposed Runs Rated (TC-ER)
- Color Code: NEMA WC 57/ICEA S-73-532 Table E-2

## Construction:

**Conductors:** Concentric 7 strand soft drawn annealed copper per UL and ASTM requirements. Tinned conductors and other stranded configurations are available upon request. Single conductors are Oil & Gas Resistant II.

**Insulation:** Crosslinked polyethylene (XLP) is VW-1 rated and Oil and Gasoline Resistant II. All black insulation is rated “Sunlight Resistant”.

**Jacket:** A black, flame resistant, Polyvinyl Chloride (PVC) jacket is extruded over the assembly. The surface profile shall approximate that of the interior assembly.

## Identification and Packaging:

The wire shall be identified by surface marking indicating the manufacturer, conductor size, voltage rating, UL symbol, and type designation. Custom lengths, color, and packaging is available by request.

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| AWG | Number of Conductors | Jacket Thickness (mils) | Nominal Diameter over Jacket (inches) | Approximate Net Weight (lbs./Mft.) |
|---|---|---|---|---|
| **14** | 2 | 45 | 0.36 | 56 |
| **14** | 3 | 45 | 0.41 | 82 |
| **14** | 4 | 45 | 0.43 | 102 |
| **14** | 5 | 45 | 0.47 | 122 |
| **14** | 7 | 45 | 0.51 | 161 |
| **14** | 9 | 60 | 0.63 | 218 |
| **14** | 10 | 60 | 0.70 | 238 |
| **14** | 12 | 60 | 0.70 | 279 |
| **14** | 16 | 60 | 0.78 | 389 |
| **14** | 19 | 60 | 0.82 | 438 |
| **AWG** | **Number of Conductors** | **Jacket Thickness (mils)** | **Nominal Diameter over Jacket (inches)** | **Approximate Net Weight (lbs./Mft.)** |
| **12** | 2 | 45 | 0.40 | 76 |
| **12** | 3 | 45 | 0.43 | 111 |
| **12** | 4 | 45 | 0.48 | 141 |
| **12** | 5 | 45 | 0.52 | 167 |
| **12** | 7 | 60 | 0.60 | 242 |
| **12** | 9 | 60 | 0.70 | 302 |
| **12** | 10 | 60 | 0.78 | 331 |
| **12** | 12 | 60 | 0.78 | 389 |
| **12** | 16 | 80 | 0.91 | 544 |
| **12** | 19 | 80 | 0.96 | 620 |
| **AWG** | **Number of Conductors** | **Jacket Thickness (mils)** | **Nominal Diameter over Jacket (inches)** | **Approximate Net Weight (lbs./Mft.)** |
| **10** | 2 | 45 | 0.45 | 103 |
| **10** | 3 | 45 | 0.48 | 154 |
| **10** | 4 | 45 | 0.52 | 214 |
| **10** | 5 | 60 | 0.61 | 256 |
| **10** | 7 | 60 | 0.66 | 344 |
| **10** | 9 | 60 | 0.78 | 431 |
| **10** | 10 | 80 | 0.91 | 475 |
| **10** | 12 | 80 | 0.91 | 592 |