## TYPE TC - POWER CABLE - WITHOUT GROUND - 600V
### XHHW-2 CONDUCTORS (6 AWG - 4/0 AWG)

### ENGINEERING SPECIFICATIONS

**Standards**
- Underwriters Laboratories® Standard UL-44, UL-1277, UL-1581, UL-1685, UL-2556;
- Compact Stranded Aluminum Alloy 8000 Series per ASTM B800, ASTM B801, ASTM B836; NFPA 70 (NEC®) Article 336;
- UL 1685-FT4/IEEE 1202 (70,000 Btu/hr) Flame Test;
- NEMA WC70/ICEA S-95-658;
- ICEA T-29-520 (210,000 Btu/hr) Flame Test;
- ARRA 2009 Section 1605 “Buy American” Compliant;
- RoHS Compliant;
- MasterSpec Division 26 Sections 260519, 260523; UL Listing #E - 179429

### CONSTRUCTION

**Conductors**
Compact Stranded Conductors, Aluminum Alloy 8000 Series per ASTM B800, ASTM B801 and ASTM B836

**Insulation:**
High-dielectric strength, heat, and moisture-resistant, Cross-linked polyethylene (XLPE) rated at 90°C dry or wet to meet UL-44 requirements for Type XHHW-2 wire

**Overall Jacket**
A flame-retardant, sunlight-resistant black PVC jacket is applied over core.

**Assembly**
The insulated conductors are cabled together, without a ground and with fillers as required, to form a round compact core. Nylon rip-cord is supplied for easy stripping; overall black PVC jacket.

**Color Coding**
Black insulation with ICEA Method 4 printed number

### APPLICATIONS

Primarily used for connect power devices in a commercial and industrial environment. Suitable for installation in electrical channels, ducts, wireways, cable trays, and raceways. Approved for direct burial in wet or dry locations and outdoors in cable trays where sunlight-resistant rating is required.

### Tables and Figures

<table>
<thead>
<tr>
<th>Size (AWG)</th>
<th>No. of Conductors</th>
<th>No. of Strands</th>
<th>Outer Jacket Thickness PVC (in)</th>
<th>Outside Diameter (in)</th>
<th>Approximate Net Weight (lbs/1000 ft)</th>
<th>Allowable Ampacity (Amps)</th>
<th>Standard Packaging (ft)</th>
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</table>

1. For ampacities see NEC Table 310.15(B)(16) for insulated conductors; not more than three current-carrying conductors in a raceway, cable, or earth (directly buried), based on ambient temperature of 30°C (86°F).

2. NEC Article 110.14(C) for conductor temperature limitations for equipment rated 100 amps or less, or for equipment rated for more than 100 amps.

3. The above data is approximate and subject to manufacturing tolerances.

4. Rated Type TC or TC-ER

### PRINT LEGEND:
ENCORE WIRE CORP (SIZE) TYPE TC OR TC-ER CABLE XHHW-2 AA-8000 AL CDRS SUN-RES 600 VOLT DR-BUR (UL) DATE/TIME/OPER/QC

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**Notes:**
- PVC Jacket
- Tape Separator
- Non-Metallic Fillers (as required)
- XLPE Insulation
- Compact Stranded Conductor, AA-8000 Series
TYPE TC - POWER CABLE - WITHOUT GROUND - 600V
XHHW-2 CONDUCTORS (250 KCMIL - 900 KCMIL)

ENGINEERING SPECIFICATIONS

Standards
Underwriters Laboratories® Standard UL-44, UL-1277, UL-1581, UL-1685, U-2556; Compact Stranded Aluminum Alloy 8000 Series per ASTM B800, ASTM B801, ASTM B836; NFPA 70 (NEC®) Article 336; UL 1685-FT4/IEEE 1202 (70,000 Btu/hr) Flame Test; NEMA WC70/ICEA S-95-658; ICEA T-29-520 (210,000 Btu/hr) Flame Test; ARRA 2009 Section 1605 “Buy American” Compliant; RoHS Compliant; MasterSpec Division 26 Sections 260519, 260523; UL Listing #E - 179429

CONSTRUCTION

Conductors
Compact Stranded Conductors, Aluminum Alloy 8000 Series per ASTM B800, ASTM B801 and ASTM B836

Insulation
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Overall Jacket
A flame-retardant, sunlight-resistant black PVC jacket is applied over core.

Assembly
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Color Coding
Black insulation with ICEA Method 4 printed number

APPLICATIONS

Primarily used for connect power devices in an commercial and industrial environment. Suitable for installation in electrical channels, ducts, wireways, cable trays, and raceways. Approved for direct burial in wet or dry locations and outdoors in cable trays where sunlight-resistant rating is required.

<table>
<thead>
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<th>Approximate Net Weight (lbs/1000 ft)</th>
<th>Allowable Ampacity (Amps)°</th>
<th>Standard Packaging (ft)</th>
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</table>

° For ampacities see NEC Table 310.15(B)(16) for insulated conductors; not more than three current-carrying conductors in a raceway, cable, or earth (directly buried), based on ambient temperature of 30°C (86°F). See 2011 NEC Article 310.15(B)(2)(a) for ambient temperature correction factors for temperatures other than 30°C (86°F). See 2011 NEC Table 310.15(B)(3)(a) for ampacity adjustment factors, as applicable, for more than three current-carrying conductors. See 2011 NEC Article 110.14(C) for conductor temperature limitations for equipment rated 100 amps or less, or for equipment rated for more than 100 amps. The above data is approximate and subject to manufacturing tolerances.

PRINT LEGEND: ENCORE WIRE CORP (SIZE) TYPE TC CABLE XHHW-2 AA-8000 AL CDRS SUN-RES 600 VOLT DIR-BUR (UL) DATE/TIME/OPR/QC