

## **SIX-OVER-ONE CABLE, 600 VOLT XHHW-2 INSULATED CONDUCTORS 400 HERTZ**

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### **DESCRIPTION:**

This specification covers Aetna Insulated Wire's standard construction for Six-Over-One cable. Six individual XHHW-2 conductors twisted over a single central XHHW-2 conductor.

### **PRODUCT SPECIFICATIONS AND RATINGS:**

- i) National Fire Protection Association (NFPA) 70, National Electric Code (NEC)
- ii) UL 44 Thermoset-Insulated Wire and Cables
- iii) ICEA S-95-658/NEMA WC70 Nonshielded Power Cables Rated 2000 Volts or Less.

### **APPLICATION:**

Six-Over-One cable is for 600V operation where the maximum operating temperature does not exceed 90°C in wet or dry locations. XHHW-2 is a general purpose building wire recognized TYPE by the NEC and as such these cables can be used as permitted by the code. It's physical and electrical properties make it an excellent product for installation in duct or conduit, underground and where moisture may accumulate. All sizes may be installed in conduit, cable trays (where CT rated) troughs, ducts and properly supported aerial installations.

### **CONSTRUCTION DATA:**

**Conductors** - The conductor consists of uncoated soft, copper strands meeting the requirements of ASTM B3. Unless otherwise specified the conductor shall be supplied as Class B compressed per ASTM B8.

**Insulation** - The insulation is flame-retardant cross-linked polyethylene (XHHW-2) extruded concentrically over the conductor to the wall thickness as specified in the governing specification.

**Conductor Coding** - Phase identification is provided by number code on each insulated conductor.

**Assembly** - Six XHHW-2 insulated conductors are twisted with a suitable lay over a central straight laid XHHW-2 insulated conductor.