**Product Construction**

**Conductor:**
- Bare, annealed copper per ASTM B3
- Compact stranding per ASTM B496

**Extruded Strand Shield:**
- Extruded thermoset semi-conductor stress control layer over conductor per ICEA S-96-639 and UL 1072

**Insulation:**
- Ethylene Propylene Rubber (EPR)

**Extruded Insulation Shield:**
- Thermoset semi-conducting polymeric layer, free stripping from the insulation per ICEA S-93-639 and UL 1072

**Grounding Conductor:**
- Three split Class B stranded bare annealed copper grounding conductors
- Sized in accordance with UL 1072 and NEC Article 250

**Shield:**
- 5 mil annealed bare copper tape with 25% overlap
- Color coded polymeric identification tape laid under the shield: black, red, & blue

**Armor:**
- Impervious, continuously welded and corrugated aluminum alloy sheath

**Jacket:**
- Flame-retardant, moisture and sunlight resistant PVC yellow
- Low temperature performance meets ASTM D746 brittleness temperature at or below 40°C

**Applications**

- Variable Frequency Drives: 3-conductor CCW armored cables with 3 symmetrical grounding wire are the preferred wiring method for use with AC motors controlled by pulse-width modulated inverters in VFD applications
- For use in feeders and branch circuits in industrial power distribution systems per NEC Articles 328 and 330
- Approved for Classes I, II, and III, Divisions 1 and 2; and Class I, Zones 1 and 2, hazardous locations covered under NEC Articles 501, 502, 503, and 505
- Installed on metal racks, troughs, in raceways, in cable trays or secured to supports spaced no more than 6 feet apart
- Installed in both exposed and concealed work, wet or dry locations, directly buried or embedded in concrete

**Features**

- Cable meets cold impact at -40°C
- 90°C continuous operating temperature, wet or dry
- 140°C emergency rating
- 250°C short circuit rating

**Standards**

- UL 1072
- UL 1569
- UL 2225
- UL 1309
- IEEE 1202 available upon request

*Fittings are available for these products.

Note: The data shown is approximate and subject to standard industry and manufacturer tolerances. Please verify specific requirements with your Omni Cable account manager.

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