

# **COPPER INSTRUMENTATION CABLE**

## **Individual/Overall Shield Metal Bond Armor**

### **UL Listed 300 Volt PVC Insulated 221°F (105°C)**

#### **Applications**

- Petrochemical Plants
- Utilities and Industrial Plants
- Instrumentation Circuits
- Suitable for Direct Burial and ...Suspension Applications
- For use in NEC Article 725 ...Class 1 Division 2 Hazardous ...Locations
- Complies with NEC 725 for use in ...Class 2 and Class 3 Circuits

#### **Product Features**

- UL Listed Subject 13 PLTC
- Rated 105C 300 Volt
- Flame Retardant
- Passes IEEE 383 Flame Test
- Passes VW-1 Flame Test
- Sunlight Resistant
- Available as Type ITC
- Moisture-Proof Barrier
- Excellent Mechanical Strength



#### **Product Specifications**

- Conductors: Solid or stranded, bare or tinned copper  
12 to 22 AWG (2.44 to .61MM)
- Insulation: Nominal .016" (.40MM) flame retardant PVC
- Color Code: Pairs-black & white, numbered. Triads-black, white & red, numbered (other colors available)
- Construction: Twisted pairs or triads
- Individual Shield: .00135" (.03MM) aluminum/polyester tape, 25% overlap
- Pair Drain Wire: 22 AWG (.61MM) 7-strand tinned copper
- Communication Wire: 22 AWG (.61MM) 7-strand copper insulated with nominal .015" (.38MM) orange PVC (4 pair/triad and larger)
- Cable Shield: .002" (.05MM) aluminum/polyester tape, 25% overlap
- Cable Drain Wire: 20 AWG (.91MM) 7-strand tinned copper
- Inner Jacket: Flame retardant PVC with ripcord under jacket
- Metal Bond Barrier: Continuously bonded .012" (.30MM) aluminum/composite tape
- Outer Jacket: Flame retardant CPE (chlorinated polyethylene) bonded to tape, ripcord under tape

#### **Ordering Code**

**UP/ALM/ALPZCPETWK- ( ) - ( ) ( ) - ( ) ( )**

# of Pairs or Triads
Wire Size AWG or Metric
Add (F) for Stranded Wire
(TRIAD) or (BX) for Pairs
Add (TIN) for Tinned Copper