Instrumentation Cable

APPLICATIONS
• Predominantly used in utility substations
• Can be installed indoors or outdoors, direct burial, free air, raceways, encased in concrete, open trays, troughs, or continuous rigid cable support
• Other Uses
  • Class 1 remote-control and signaling circuits
  • Class 1, Division 2 hazardous locations
• Conductor operating temperatures are not to exceed 90°C wet or dry
• Rated 600 Volts

CONSTRUCTION DETAILS
• Conductors
  • 18 or 16 AWG, 7 Strand, Annealed Bare Copper
• Insulation
  • Tough, Heat and Moisture Resistant Polyvinyl Chloride (PVC)
    • Color Code: (Pairs – Black, White, and Numbered) & (Triads – Black, White, Red, and Numbered)
  • Conductor Jacket: Clear Nylon (polyamide)
• Assembly
  • Color-coded twisted pairs or triads; group of pairs or triads with numeric print identification on the groups
  • Overall aluminum polyester foil with 100% coverage, tinned drain wire

SPECIFICATIONS
Southwire’s Substation Instrumentation Cable meets or exceeds:
• All Applicable ASTM Specifications
• UL 83
• UL1277
• UL1581
• UL 1685
• IEEE 1202
• ICEA T-30-520
• RoHS Compliant

OPTIONS
• Unshielded Pairs or Triads, with Overall Shield
• XLP Insulated Conductors
• Rip Cord
• Also Available in 300V Construction Upon Request

CONSTRUCTION AT A GLANCE

CONDUCTOR TYPE 18 – 16 AWG COPPER
INSULATION TYPE PVC/ NYLON
JACKET TYPE PVC
### Dimensions and weights shown above are nominal and subject to industry tolerances.

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<th>Size</th>
<th>Number of Pairs</th>
<th>Numbers of Triads</th>
<th>Insulation Thickness inches</th>
<th>Insulation Jacket Thickness inches</th>
<th>Overall Jacket Thickness inches</th>
<th>Nominal Core Diameter inches</th>
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<th>Approximate Weight lbs/1000 ft</th>
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