

Multi-Conductor CU 600V PVC THHN or TFFN/TFN PVC Control Cable. Silicone Free

Services CableTechSupport@southwire.com

Specifications

SUPPO:

CABLETECH

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* ASTM B3: Standard Specification for Soft or Annealed Copper Wire

* ASTM B787: 19 Wire Combination Unilay-Stranded Copper Conductors

- * UL 83: Thermoplastic Insulated Wires and Cables
- * UL 1277: Electrical Power and Control Tray Cables

* ICEA S-58-679: Control Cable Conductor Identification Method 1 Table 2

* ICEA S-73-532: Standard for Control, Thermocouple Extension and Instrumentation Cables

* ICEA S-95-658: (NEMA WC70) Power Cables Rated 2000 Volts

or Less for the Distribution of Electrical Energy

Applications and Features

Southwire's 600 Volt Type TC control cables are suited for use in wet and dry areas, conduits, ducts, troughs, trays, direct burial, aerial supported by a messenger, and where superior electrical properties are desired. These cables are capable of operating continuously at the conductor temperature not in excess of 75°C in wet locations and 90°C in dry locations, 105°C for emergency overload, and 150°C for short circuit conditions.



Construction

- 1) Conductor: 19 strand combination unilay bare copper per ASTM B787
- 2) Insulation: Polyvinyl Chloride (PVC) with nylon layer
- 3) Overall Jacket: Black, Polyvinyl Chloride (PVC) Jacket

Print Legend

{SQFTG} SOUTHWIRE MASTER-DESIGN {UL} 12 AWG (3.31{mm2}) 2 CDRS TYPE TC THHN OR THWN CDRS 90{D}C JACKET SUNLIGHT RESISTANT DIRECT BURIAL 600 VOLTS FT4/IEEE1202 {NOM}-ANCE {YYYY}

| Stock Code | Conductor Size (Strands) | Conductor Diam | Insulation Thickness | Thickness | Approx. Overall OD wxh | Approx. Weight | Ampacity 75°C/90°C | | | | |
|--|-----------------------------|-------------------|-------------------------|-------------------|------------------------------|----------------------|-----------------------|--------|--------|------|--|
| - | AWG | inches | mils | mils | inches | lbs. /1,000' | amps | | | | |
| 569399 | 12 | 0.090 | 21 | 45 | 0.355x0.228 | 72 | 20/20 | | | | |
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| * Dimensions are nominal and subject to normal manufacturing tolerances. * Sample print legend, actual may vary. | | | | | | | | | | | |
| Table 310.16 NEC 2020 Ampacities of insulated conductors not more than 3 current carrying in raceway, cable or earth (direct buried) | | | | | Cust. Spe | Cust. Spec Approval: | | | | | |
| | | | | | Drn/Chk By | : EA | Req By: | DM | 6/21/2 | 2022 | |
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