# **CU 600V PVC Insulation PVC Jacket Mini Split Type TC-ER-JP**

CU 600V PVC Insulation PVC Jacket Mini Split Type THHN/THWN Rated at 75°C Wet 90°C Dry

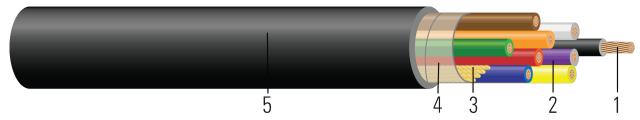


Image not to scale. See Table 1 for dimensions.

#### **CONSTRUCTION:**

- 1. **Conductor:** Solid or stranded bare copper per ASTM B3 or B8
- 2. **Insulation:** Polyvinyl Chloride PVC with Nylon sheath
- 3. Filler: Polypropylene filler
- 4. **Binder:** Polyester flat thread binder tape
- 5. Overall Jacket: Polyvinyl Chloride (PVC) Jacket

## **APPLICATIONS AND FEATURES:**

Southwire's 600 Volt Type TC-ER-JP 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. For uses in Class I, II, and III, Division 2 hazardous locations per NEC Article 501 and 502. Constructions with 3 or more conductors are listed for exposed runs (TC-ER) per NEC 336.10. Sunlight Resistant - For Direct Burial - Silicone Free - VW-1 Rated.

# **SPECIFICATIONS:**

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 83 Thermoplastic Insulated Wire and Cables (sizes 14 AWG to 1000 kcmil)
- UL 1277 Electrical Power and Control Tray Cables
- RoHS-3 Complies with European Directive 2015/863

### **SAMPLE PRINT LEGEND:**

{SQFTG} SOUTHWIRE{R} E75755 {UL} XX AWG (X.XX{mm2}) CU 7 CDRS TYPE TC-ER-JP THHN OR THWN CDRS 90{D}C JACKET SUNLIGHT RESISTANT DIRECT BURIAL 600 VOLTS {NOM}-ANCE





# Table 1 – Physical and Electrical Data

Sto Num	ock nber	Cond. Size	Cond. Number	Cond. Strands	Diameter Over Cond.	Insulation Color	Insul. Thickness	Ground	Jacket Thickness	Approx. OD	Copper Weight	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Rectance	Min Bending Radius	Allowable Ampacity 75°C
		AWG	No.	strands	inch		mil	No. x AWG	mil	inch	lb / 1000ft	lb / 1000ft	Ω /1000ft	Ω /1000ft	Ω/1000ft	inch	Amp
	14 AWG																
5822	257◊	14	4	7	0.070	BK, RD, WE, GN	20	1 x 14	45	0.351	51	93	2.631	3.170	0.058	1.4	16

All dimensions are nominal and subject to normal manufacturing tolerances



<sup>♦</sup> Cable marked with this symbol is a standard stock item

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.