CU 600/1000V XLPE Insulation PVC Jacket XHHW-2 With Bare Ground. CT Rated - Sunlight Resistant - For Direct Burial - Silicone

Specifications

* ASTM B3: Soft or Annealed Copper Wire
* ASTM B8: Concentric-Lay-Stranded Copper Conductors
* UL 44: Thermoset-Insulated Wires and Cables
* UL 1277: Electrical Power and Control Tray Cables
* UL 1685: Vertical-Tray Fire Propagation and Smoke Release Test
* ICEA S-95-658: (NEMA WC70) Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy

Cable image is for reference only and does not depict actual cable construction

Construction

1) Conductor: Class B compressed stranded bare copper per ASTM B8
2) Insulation: Cross Linked Polyethylene (XLPE) Type XHHW-2
3) Grounding Conductor: Class B compressed stranded bare copper per ASTM B8
4) Filler: Paper filler as needed
5) Binder: Thread Polyester
6) Overall Jacket: Polyvinyl Chloride (PVC) Jacket

Application and Features

Southwire's 600 or 1000 Volt Type TC-ER power 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 90°C for normal operation in wet and dry locations, 130°C for emergency overload, and 250°C for short circuit conditions. For uses in Class I, II, and III, Division 2 hazardous locations per NEC Article 501 and 502. Type (TC-ER) per NEC 336.10. Silicone free.

Print Legend

{SQFTG} SOUTHWIRE{R} {UL} 2 AWG (33.6{MM2}) CU 2/C TYPE TC-ER XHHW-2 CDRS GW 1 X 6 AWG CU 90{D}C JACKET SUNLIGHT RESISTANT DIRECT BURIAL 600V or 1000V {NOM}-ANCE

Stock Code	Conductor Size (Strands)	Conductor Diameter	Insulation Thickness	Ground Size	Jacket Thickness	Approx Overall OD	Approx Weight	Minimum Bending Radius	Maximum Pulling Tension	Ampacity 75/90°C
-	AWG	inch	mil	num x AWG	mil	inch	lb/1000ft	inch	lb	amp
641585	2 (7)	0.283	45	1x6	80	0.906	678	3.6	1061	115/130

* Ampacities based upon 2023 NEC Table 310.16. See NEC sections 310.15 and 110.14(C) for additional requirements.

* Dimensions are nominal and subject to normal manufacturing tolerances.
* Sample print legend, actual may vary.

Drn/Chk By:	EM	Req By:	ST	9/30/2024
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