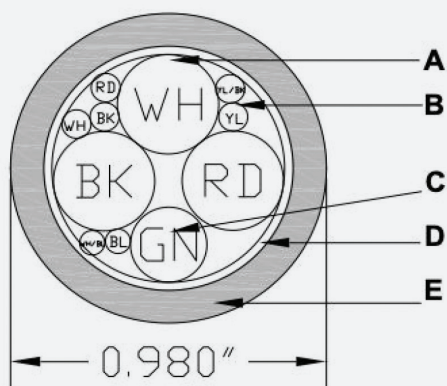


Home Standby Composite Cable

#3x3+2 Copper 9 Wire Control Wires Commonly used with 17-24kW



CONDUCTOR COLOR CODE

3 AWG

Black, White and Red

18 AWG

Black, Red, Yellow, Yellow/Black, Blue, White, Purple, Purple/Black and White/Blue

8 AWG

Green

COMPONENTS

- A** (3) - #3 AWG Class C stranded, soft drawn, bare copper circuit conductors w/40 mils (1.02 mm) heat and moisture resistant, polyvinyl chloride (PVC) insulation and jacketed w/ 6 mils (0.15 mm) nylon applied directly to the surface of the insulation.
- B** (9) - #18 AWG Class K stranded, soft drawn, bare copper conductors w/15 mils (0.38 mm) heat and moisture resistant, polyvinyl chloride (PVC) insulation and jacketed w/ 4 mils (0.10 mm) nylon applied directly to the surface of the insulation.
- C** (1) - #8 AWG Class C stranded, soft drawn, bare copper grounding conductor w/30 mils (0.76 mm) heat and moisture resistant, polyvinyl chloride (PVC) insulation and jacketed w/ 5 mils (0.13 mm) nylon applied directly to the surface of the insulation.
- D** Mylar binder tape
- E** 80 mils (2.03 mm) of heat and moisture resistant, polyvinyl chloride (PVC) jacket. A ripcord shall be placed underneath the jacket.

SPECIFICATIONS

Conductors: ASTM B 3, ASTM B 8, ASTM B 174

Insulation: ICEA S-95-658 (NEMA WC 70), ICEA S-73-532 (NEMA WC 57), UL 83 for Type THWN wires

Jacket: ICEA S-95-658 (NEMA WC 70), ICEA S-73-532 (NEMA WC 57), UL 1277

ELECTRICAL

Voltage: 600V

RATINGS

UL Standard: 1277

UL: 1685

UL: TC-ER-JP 600V

NEC/NFPA: 2023 / 336.10(9)

UL: THWN 600V

The insulation is acceptable for use in locations at 75 °C dry and 75 °C wet. The cable is suitable for use in cable trays, aerial or direct burial installations. The cable is JP rated for installation in accordance with Part II of Article 334.

PRINT LEGEND

(UL) E60544-PA POWER AND CONTROL TRAY CABLE TYPE TC-ER-JP 3 AWG (26,7 mm²) 3/C + 8 AWG (8,37 mm²) 1/C GROUND THWN CONDS 75C DRY/75C WET & 18 AWG (0,82 mm²) 9/C TFFN CONDS 600V OIL RES I SUNLIGHT RESISTANCE DIRECT BURIAL JOIST PULL TCERDirect.com PN TCERJP 1724G+2 "sequential footage print"

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