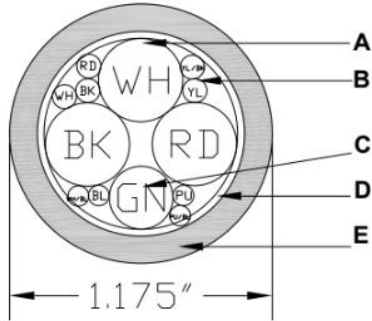
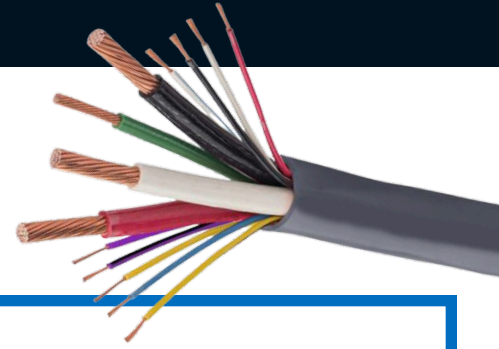


# Home Standby Composite Cable

## #1x3+2 Copper 9 Wire Control Wires

Commonly used with 28kW - 30kW



### CONDUCTOR COLOR CODE

#### 1 AWG

Black, White and Red

#### 18 AWG

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

#### 6 AWG

Green

### COMPONENTS

- A** (3) - #1 AWG Class B (19 strand), soft drawn, bare copper circuit conductors w/50 mils (1.27 mm) heat and moisture resistant, polyvinyl chloride (PVC) insulation and jacketed w/ 7 mils (0.18 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) - #6 AWG Class C (19 strand), 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, ASTM B 787

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

### PRINT LEGEND

(UL) E60544-PA POWER AND CONTROL TRAY CABLE TYPE TC-ER-JP 1 AWG (42,4 mm<sup>2</sup>) 3/C + 6 AWG (13,3 mm<sup>2</sup>) 1/C GROUND THWN CONDS 75C DRY/75C WET & 18 AWG (0,82 mm<sup>2</sup>) 9/C TFFN CONDS 600V OIL RES I SUNLIGHT RESISTANCE DIRECT BURIAL JOIST PULL TCERDirect PN 2023TCERJP2832CU9 "sequential footage print"

### RATINGS

UL: TC-ER-JP 600V

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.

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