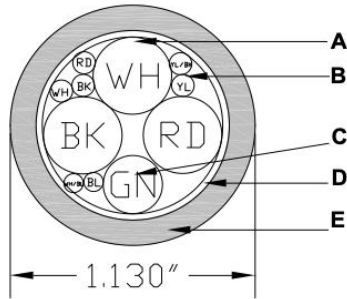
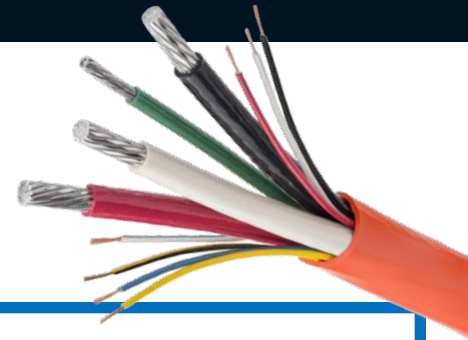


# Home Standby Composite Cable

## #1x3 Aluminum 7 Wire Control Wires

Commonly used with 17-24kW



### CONDUCTOR COLOR CODE

#### 1 AWG

Black, White and Red

#### 18 AWG

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

#### 6 AWG

Green

### COMPONENTS

- A** (3) - #1 AWG Class B stranded, 8000 series, aluminum 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** (7) - #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 B stranded, 8000 series, aluminum 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 174, ASTM B 801

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 AL (42,4 mm<sup>2</sup>) 3/C + 6 AWG AL (13,3 mm<sup>2</sup>) 1/C GROUND THWN CONDS 75C DRY/75C WET & 18 AWG (0,82 mm<sup>2</sup>) 7/C TFFN CONDS 600V OIL RES I SUNLIGHT RESISTANCE DIRECT BURIAL JOIST PULL TCERDirect.com P/N AL TCERJP 1724 "sequential footage print"

All products are intended for use by a licensed electrician in compliance with all product information and applicable building codes, laws and regulations. Gen-Pro disclaims any liability for injuries to persons or damage to property arising from the improper installation of this product, installation by non-qualified persons or the use of this product for applications other than as specified. All dimensional data is nominal and subject to normal manufacturing tolerances. The information provided on this specification sheet is for guidance only. Purchasers of this product should consult with a licensed electrician regarding its applicability, use and proper installation.

### 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.