

## Home Standby Generator 7 Conductor Control Cable 18 AWG; 7 Conductors

### Product Specifications:

**Type:**

Home Standby Generator 7 Conductor Control Cable - TC-ER

600 Volts, 90°C dry, 75° wet

TFFN Conductors (PVC/Nylon)

PVC Jacket

UL Listed Type TC-ER UL 1277

FT4 / IEEE 1202, Sunlight Resistant, Direct Burial

Color Coded to Generac Home Standby Generator Models 7 kW - 150 kW Control Panel Wiring


**Size:**

18 AWG; 7 Conductors

**Diameter:**

.360"

**Area:**

.1018 in<sup>2</sup>

### I. Scope:

This specification covers the construction requirements multi-conductor power cables in accordance with Underwriters' Laboratories, Inc. Standard 1277, (UL) Listed as Type TC-ER.

The construction consists of stranded, bare copper conductors with Polyvinyl Chloride (PVC) insulation and nylon jacket. The conductors are cabled together and have a sunlight, Polyvinyl Chloride (PVC) jacket.

### II. Uses:

These cables are suitable for use installed in cable trays and raceways or when supported by a messenger for voltage ratings not exceeding 600 volts, at conductor temperatures not exceeding 90°C dry or 75° wet. Color coded to Generac's Home Standby Generator Models 7 kw - 150 kw Control Panel Wiring.

These cables pass the UL 1277 Vertical Tray Flame Test and the IEEE 1202/FT4 flame test.

### III. Construction Data:

| Size (AWG) | # of Cond. | Stranding | Insulation Thickness (PVC/Nylon) (mils) | Jacket Thickness (mils) | Nom. Cable OD (mils) | Nom. Weight (lbs/Mft) |
|------------|------------|-----------|---|-------------------------|----------------------|-----------------------|
| 18         | 7          | 16        | 15/5                                    | 45                      | 351                  | 85                    |

**A. Conductor:**

18 AWG, 7 Strands Bare Annealed Copper in Accordance with ASTM B-3, B-8, and B-174

**B. Primary Insulation:**

The conductors are UL Type TFFN per UL 66 with a PVC insulation and Nylon jacket

**C. Color Code:**

The insulation shall be colored as follows: 1 Yellow, 1 Black/Yellow, 1 Black, 1 Green, 1 Blue, 1 Red, 1 White

**D. Cable Assembly:**

The insulated conductors are cabled together with fillers as necessary

**E. Overall Jacket:**

A flame resistant and sunlight resistant PVC jacket is applied to the overall construction

**F. Cable Identification:**

Type: Surface print on jacket

Ink Color: White

Legend: "E106615 18 AWG TYPE TC-ER (UL) 90C 600V SUN RES DIR BUR"

**AGENCY APPROVAL**

- UL SUBJECT 1277 TC-ER 90C 600VOLTS

- RoHS