



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 42471  
**DESCRIPTION:** 6/3 W/GND THW ROUND PUMP/TC DIRECT BURIAL CABLE  
**CONSTRUCTION:** This cable consists of three bare copper insulated conductors and a ground cabled with an overall jacket.  
**APPROVALS:** UL Standards 83 and 1277, Type THW Submersible Pump Cable or Power and Control Tray Cable  
**APPLICATION:** Underwater Pumps, Underground Power and Control, and Similar Applications

## Construction Parameters:

Conductor 6 AWG Bare Copper  
Stranding 19/.0372"  
Insulation Material PVC  
Insulation Thickness 0.062" Nom.  
Insulated Conductor Diameter 0.310" Nom.  
Ground Wire 8 AWG 19 Strand PVC Insulated  
Number of Conductors plus Ground 4  
Lay Length 7.00" Nom.  
Separator Microdust  
Jacket Material PVC  
Jacket Thickness 0.082" Nom.  
Overall Cable Diameter 0.899" Nom.  
Approximate Cable Weight 549.0 Lbs/1M' Nom.

## Electrical Properties:

Temperature Rating -20°C to 75°C Dry and Wet  
Operating Voltage 600 V RMS Max.  
DC Resistance per Conductor @ 20°C 0.40 Ohms/1M' Nom.

Insulation Colors 6 AWG: Black Yellow Red 8 AWG Ground: Green  
Jacket Color Black

Legend (Surface Ink Print) CCI E79496 6 AWG (13.30mm<sup>2</sup>) 3/C W/8GA (8.37mm<sup>2</sup>) GND (UL) 600V  
TYPE THW INS. SUBMERSIBLE PUMP CABLE OR TYPE TC 75C DRY &  
WET DIR BUR SUN RES

This product complies with European Directive 2002/95/EC (RoHS)

The customer will accept all factory lengths and +/- 10 percent of total order requested.

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Customer Name \_\_\_\_\_

Customer Approval \_\_\_\_\_

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