



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

1530 Shields Drive  
Waukegan, IL 60085  
Toll-Free (800) 323-9355  
Fax: (847) 689-1192

**PART NUMBER:** 42454  
**DESCRIPTION:** 12/3 THW ROUND PUMP/TC DIRECT BURIAL CABLE  
**CONSTRUCTION:** This cable consists of three bare copper insulated conductors 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

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## Construction Parameters:

Conductor	12 AWG Bare Copper
Stranding	19/.0185"
Insulation Material	PVC
Insulation Thickness	0.047" Nom.
Insulated Conductor Diameter	0.183" Nom.
Number of Conductors	3
Lay Length	6.00" Nom.
Separator	Microdust
Jacket Material	PVC
Jacket Thickness	0.047" Nom.
Overall Cable Diameter	0.489" Nom.
Approximate Cable Weight	136.7 Lbs/1M' Nom.

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## Electrical Properties:

Temperature Rating	-20°C to 75°C Dry and Wet
Operating Voltage	600 V RMS Max.
DC Resistance per Conductor @ 20°C	1.62 Ohms/1M' Nom.

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Insulation Colors	Black Yellow Red
Jacket Color	Black

Legend (Surface Ink Print)	CCI E79496 12 AWG (3.31mm <sup>2</sup> ) 3/C (UL) 600V TYPE THW INS. SUBMERSIBLE PUMP CABLE OR TYPE TC 75C DRY & WET DIR BUR SUN RES
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This product complies with European Directive 2002/95/EC (RoHS)

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

GARY 2038 60C RED RISERJKT

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

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

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