



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 622428  
**DESCRIPTION:** 12/4 STRANDED TYPE SEOW SUBMERSIBLE FLEXIBLE POWER CABLE  
**CONSTRUCTION:** This cable consists of four bare copper insulated conductors cabled with fillers and an overall jacket.  
**APPROVALS:** UL Standard 62, CSA 22.2 No. 49, NEC Article 400., MSHA  
**APPLICATION:** 600V Portable Oil and Water Resistant Submersible Outdoor Flexible Power Cable

### Construction Parameters:

Conductor	12 AWG Bare Copper
Stranding	65/30
Insulation Material	105C TPE
Insulation Thickness	0.046" Nom.
Insulated Conductor Diameter	0.184" Nom.
Number of Conductors	4
Lay Length	3.75" Nom.
Filler Type	Polypropylene
Separator/Wrap	Paper Tissue
Jacket Material	105C TPE
Jacket Thickness	0.100" Nom.
Overall Cable Diameter	0.645" Nom.
Approximate Cable Weight	247.4 Lbs/1M' Nom.
Flame Rating	UL/CSA Horizontal Flame Test

### Electrical Properties:

Temperature Rating	-50°C to 105°C
Operating Voltage	600 V RMS Max.
DC Resistance per Conductor @ 20°C	1.59 Ohms/1M' Nom.
Max Ampacity per Conductor (Per NEC Table 400-5a)	20 amps/cond (Assume three current carrying conductors)

(Note: Because of 105C temperature rating, higher current can be used under engineering supervision)

Insulation Colors	Black White Red Green
Jacket Color	Black (Other colors available for minimum order)

Legend AQUAMASTER 1-800-693-3144 12 AWG (3.31mm<sup>2</sup>) 4/C SEOW E54864 (UL) 600V -50C TO 105C -- CSA LL39753 STCOOW(TPE) 600V -50C TO 105C FT2 WATER RESISTANT (C E)

(White Surface Ink Print - P-241-3-MSHA Indent)

~~This product complies with European Directive 2002/95/EC (RoHS).~~  
~~On special orders, the customer will accept all factory lengths and +/- 10 percent of total order requested.~~

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Customer Name DBUOL Date Signed 3-30-11  
Customer Approval Karen Stewart

Specification Issue Date: March 30, 2011