



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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PART NUMBER: 30805  
DESCRIPTION: 18/8 STRANDED TYPE SEOW FLEXIBLE POWER CABLE  
CONSTRUCTION: This cable consists of eight 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                    | 18 AWG Bare Copper           |
| Stranding                    | 16/30                        |
| Insulation Material          | TPE                          |
| Insulation Thickness         | 0.031" Nom.                  |
| Insulated Conductor Diameter | 0.108" Nom.                  |
| Number of Conductors         | 8                            |
| Lay Length                   | 4.75" Nom.                   |
| Filler Type                  | Polypropylene                |
| Separator/Wrap               | Paper Tissue                 |
| Jacket Material              | TPE                          |
| Jacket Thickness             | 0.080" Nom.                  |
| Overall Cable Diameter       | 0.517" Nom.                  |
| Approximate Cable Weight     | 150.5 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                | 6.49 Ohms/1M' Nom.   |
| Max Ampacity per Conductor (Per NEC Table 400-5a) | 4.9 amps/cond (Assume seven current carrying conductors)<br>(Note: Because of 105C temperature rating, higher current can be used under engineering supervision) |

|   |  |
|---|--|
| Insulation Colors                                 | Black White Red Green Orange Blue White/Black Red/Black  |
| Jacket Color                                      | Black (Other colors available for minimum order - consult factory)   |
| Legend (White Surface Ink Print - MSHA in indent) |  CCI SEOPRENE 105 18 AWG (.82mm <sup>2</sup> ) 8/C SEOW E54864<br>(UL) 600V -50C TO 105C CSA LL39753 STOW(TPE) -50C TO 105C<br>FT2 WATER RESISTANT P-241-3-MSHA |

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 \_\_\_\_\_ Date Signed \_\_\_\_\_  
Customer Approval \_\_\_\_\_

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