



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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PART NUMBER: 31005  
DESCRIPTION: 18/10 STRANDED TYPE SEOW FLEXIBLE POWER CABLE  
CONSTRUCTION: This cable consists of ten 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	PVC
Insulation Thickness	0.031" Nom.
Insulated Conductor Diameter	0.108" Nom.
Number of Conductors	10
Lay Length	6.00" Nom.
Filler Type	Polypropylene
Separator/Wrap	Paper Tissue & Talc
Jacket Material	PVC
Jacket Thickness	0.080" Nom.
Overall Cable Diameter	0.592" Nom.
Approximate Cable Weight	168 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	3.09 Ohms/1M' Nom.
Max Ampacity per Conductor (Per NEC Table 400-5a)	4.9 amps/cond (Assume nine current carrying conductors)

(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 Green/Black Orange/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> ) 10/C SEOW E54864 (UL) 600V -50C TO 105C CSA LL39753 STOW(TPE) -50C TO 105C 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.

CUT THE TAIL AT THE BOTTOM OF THE REEL TO 6". STRIP 3" OF TAIL TO CONFIRM STRIPPABILITY

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

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