



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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PART NUMBER: 31605
DESCRIPTION: 18/16 STRANDED TYPE SEOWW FLEXIBLE POWER CABLE
CONSTRUCTION: This cable consists of sixteen 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	16
Lay Length	7.25" Nom.
Filler Type	Polypropylene
Separator/Wrap	Paper Tissue
Jacket Material	TPE
Jacket Thickness	0.095" Nom.
Overall Cable Diameter	0.695" Nom.
Approximate Cable Weight	276.7 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)	3.5 amps/cond (Assume fifteen 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 Blue/Black Black/White Red/White Green/White Blue/White Black/Red
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 ²) 16/C SEOWW E54864 (UL) 600V 105C CSA LL39753 STOWW (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.

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Customer Name _____ Date Signed _____

Customer Approval _____

Specification Issue Date: July 09, 2010