

Product Catalog

SEOOW



Conductors:	18 - 2 AWG Stranded Bare Copper
Jacket:	Seoprene®
Insulation:	T*Prene®
Jacket Color:	Black
Sample Legend:	COLEMAN CABLE SEOPRENE 105 12 AWG (3.30mm ²) 3/C SEOOW (UL) 600V -50C TO 105C CSA LL29753 STOOW (TPE) -50C TO 105C FT2 WATER RESISTANT P-241-3-MSHA
Color Code:	2/C Black, White 3/C Black, White, Green 4/C Black, White, Red, Green 5/C Black, White, Red, Green, Orange

Features:

Flexible and tough jacket. Offers -50°C to 105°C temperature extremes. Seoprene offers excellent abrasion, ozone, sunlight, chemical and oil resistance as well as water and mold resistant non-wicking lightweight polypropylene fillers. Water resistant with high dielectric insulation. Lightweight, long lasting, easy to carry and easy to handle. All components are recyclable and non-hazardous for environmental landfill disposal. Color coded conductors for easy identification.

Applications:

Special uses requiring flexibility and mechanical toughness, high environmental resistance and flame retardance. Push button remote controls. Motor control, stage equipment and lighting. Industrial control and robotic systems. Outdoor applications. Suitable and approved for submersion in water.

Industry Approvals:

Federal and Military use under Federal Spec. JC-580B. UL Listed SEOOW 600V and SJEOOW 300V to NEC Article 400, CSA certified STOOW or SJTOOW (TPE) -50°C to 105°C. MSHA approval for flame resistance for mining applications.

Part Number	Size	Type	Strands	Nominal O.D.	Weight Per/Mft	Amp **
22225	18/2	SEOOW	16/30	0.345	61	10
22325	18/3	SEOOW	16/30	0.365	71	10

** Ampacity based on NEC Table 400-5(A) for sized 18/2 thru 10/4 and table 400-5 (B) for sizes 8/2 thru 2/5.

Note:

Sizes up to 10/4 are UL/CSA/MSHA, sizes 8/2 to 2/5 are non-UL constructions made with wall thicknesses in accordance with industry standards and MSHA approved.

The ampacity chart is provided for engineering information only. Coleman Cable cannot recommend or express the use of these ampacities since the exact application may need approval from the authority having local jurisdiction. Above information is subject to engineering changes. Cold temperature rating is -50°C.



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

PART NUMBER: 22225
DESCRIPTION: 18/2 STRANDED TYPE SEOWW SUBMERSIBLE FLEXIBLE POWER CABLE
CONSTRUCTION: This cable consists of two 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 Outdoor Flexible Power Cable

Construction Parameters:


Conductor	18 AWG Bare Copper
Stranding	16/30
Insulation Material	105C TPE
Insulation Thickness	0.031" Nom.
Insulated Conductor Diameter	0.108" Nom.
Number of Conductors	2
Lay Length	1.50" Nom.
Filler Type	Polypropylene
Separator/Wrap	Paper Tissue
Jacket Material	105C TPE
Jacket Thickness	0.065" Nom.
Overall Cable Diameter	0.345" Nom.
Approximate Cable Weight	60.5 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)	10 amps/cond (Assume two current carrying conductors)

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

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

Legend  CCI SEOPRENE 105 18 AWG (.82mm²) 2/C SEOWW E54864 (UL) 600V -50C TO 105C CSA LL39753 STOOW(TPE) -50C TO 105C FT2 WATER RESISTANT
(White Surface Ink Print - P-241-3-MSHA in 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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