

Product Catalog

Royal® SJTOW



Conductors:	18 - 10 AWG Stranded Bare Copper
Jacket:	PVC
Insulation:	PVC
Jacket Color:	Yellow or Gray
Sample Legend:	COLEMAN CABLE 12-3 STOW (UL) 600V CSA LL39753 12-3 STOW 60C FT1 WATER RESISTANT
Color Code:	2/C Black, White 3/C Black, White, Green 4/C Black, White, Red, Green

Features:

A firm compact cylindrical cord cabled for maximum flexibility and roundness per UL 62. Easy to remove jacket rated -20°C to 60°C PVC. cords provide excellent abrasion, ozone, and chemical resistance. Oil resistant PVC jacket.

Applications:

NEC Article 400 and associated articles. Federal Military use under JC-580B. Portable power distribution. Push button remote controls. Motor control, stage equipment and lighting. Industrial control and robotic systems. Portable cord for outdoor applications. Applications requiring flame retardance. Suitable and approved for submersion in water.

Industry Approvals:

UL Listed and CSA approved 600V STOW cable to NEC Article 400. Meets Federal Specification #JC-580B.

Part Number	Size	Type	Strands	Nominal O.D.	Weight Per/Mft	Amps *
20126	16/2	SJTOW	26/30	0.315	54	13
20127	14/2	SJTOW	41/30	0.345	62	18
20125	18/2	SJTOW	16/30	0.29	41	10
20128	12/2	SJTOW	65/30	0.415	100	25

20129	10/2	SJTOW	104/30	0.55	187	30
20135	18/3	SJTOW	16/30	0.305	56	10
20136	16/3	SJTOW	26/30	0.33	69	13
20137	14/3	SJTOW	41/30	0.365	90	18
20138	12/3	SJTOW	65/30	0.435	128	25
20139	10/3	SJTOW	104/30	0.585	228	30
20145	18/4	SJTOW	16/30	0.33	68	7
20146	16/4	SJTOW	26/30	0.36	81	10
20147	14/4	SJTOW	41/30	0.4	107	15
20148	12/4	SJTOW	65/30	0.475	162	20
20149	10/4	SJTOW	104/30	0.64	285	25
20125	18/2	SJTOW	16/30	0.29	41	10
20135	18/3	SJTOW	16/30	0.305	56	10
20145	18/4	SJTOW	16/30	0.33	68	7
20126	16/2	SJTOW	26/30	0.315	54	13
20136	16/3	SJTOW	26/30	0.33	69	13
20146	16/4	SJTOW	26/30	0.36	81	10
20127	14/2	SJTOW	41/30	0.345	62	18
20137	14/3	SJTOW	41/30	0.365	90	18
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20128	12/2	SJTOW	65/30	0.415	100	25
20138	12/3	SJTOW	65/30	0.435	128	25
20148	12/4	SJTOW	65/30	0.475	162	20
20129	10/2	SJTOW	104/30	0.55	187	30
20139	10/3	SJTOW	104/30	0.585	228	30
20149	10/4	SJTOW	104/30	0.64	285	25

* Ampacity based on NEC Table 400-5(A) with a 30°C ambient temperature.

Note:

105°C constructions of STOW/SJTOW and STOOW/SJTOOW are available upon request. Contact the factory for minimum run requirements.

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.



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

PART NUMBER: 20135
DESCRIPTION: 18/3 STRANDED SJTOW FLEXIBLE POWER CABLE
CONSTRUCTION: This cable consists of three bare copper insulated conductors cabled with fillers with an overall jacket.
APPROVALS: Underwriter's Laboratory, Canadian Standards Association, NEC Article 400
APPLICATION: 300 Volt Outdoor and Oil Portable Power Cable Applications





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	3
Lay Length	1.75" Nom.
Lay Direction	All Layers Left Hand Lay
Filler	Polypropylene
Separator	Paper Tissue
Jacket Material	PVC
Jacket Thickness	0.036" Nom.
Overall Cable Diameter	0.305" Nom.
Approximate Cable Weight	47.2 Lbs/1M' Nom.
Flame Rating	UL/CSA Horizontal Flame Test

Electrical Properties:

Temperature Rating	-20°C to 60°C
Operating Voltage	300 V RMS Max.
DC Resistance per Conductor @ 20°C	6.49 Ohms/1M' Nom.

Insulation Colors	Black White Green
Jacket Color	Gray or Yellow (Other colors available for minimum order)

Legend (Indent Print)	 CCI ROYAL    E54864 18-3 SJTOW (UL) 300V CSA LL39753 18-3 SJTOW 60CFT1 WATER RESISTANT
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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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