



# SJTOOW 300V

# STOOW 600V

**UL 62, CSA C22.2 No. 49**

Flexible portable cord cable for demanding applications

## APPLICATIONS

- For indoor and outdoor use
- Portable tools, motors, industrial control and robotic system, hospital and sound equipment, washing machines, lighting and similar equipment

## CONSTRUCTION

Conductors	Flexible, bunch stranded bare copper in accordance with UL 62
Insulation	PVC 105°C oil resistant compound class no. 7 of UL 62
Sheath	PVC 105°C oil resistant compound class no. 1.8 of UL 62



## CHARACTERISTIC

Core identification	2/C black, white 3/C black, white, green 4/C black, white, red, green 5/C black, white, red, blue, green green conductor is used for grounding purposes only
Color sheath	Black, other colours available on request
Maximum conductor operating temperature	+105°C
Lowest ambient temperature for fixed installation	-40°C

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## Features

Excellent flexibility, resistance to oil, solvents, ozone, weather, UV sunlight and water, temperature range -40°C to 105°C, flame test meets VW1, FT1, FT2 according to UL 2556, suitable for shallow water immersion, approved for outdoor. Ink jet printer for easy identification.

## Approvals

UL	E123366
CSA	1534535
Standard length cable packing	250, 500 or 1000 ft on spools or drums. Other forms of packing and delivery are available on request

## SJTOOW

Size	No of conductor	Conductor strand	Nominal insulation thickness		Nominal jacket thickness		Nominal overall Diameter (scope)		Approx. Weight	Ampacity <sup>1</sup>
			Inches	mm	Inches	mm	Inches	mm		
<b>AWG</b>			<b>Inches</b>	<b>mm</b>	<b>Inches</b>	<b>mm</b>	<b>Inches</b>	<b>mm</b>	<b>lbs/1000ft</b>	<b>A</b>
18	2	16/30	0.030	0.76	0.030	0.76	0.28-0.32	7.1-8.0	45	10
18	3	16/30	0.030	0.76	0.030	0.76	0.30-0.34	7.6-8.5	54	7
18	4	16/30	0.030	0.76	0.030	0.76	0.33-0.37	8.3-9.3	64	7
16	2	26/30	0.030	0.76	0.030	0.76	0.31-0.34	7.8-8.6	57	13
16	3	26/30	0.030	0.76	0.030	0.76	0.33-0.36	8.3-9.1	69	10
16	4	26/30	0.030	0.76	0.030	0.76	0.35-0.40	8.9-10.0	83	10
14	2	41/30	0.030	0.76	0.030	0.76	0.34-0.38	8.5-9.5	74	18
14	3	41/30	0.030	0.76	0.030	0.76	0.36-0.40	9.1-10.0	91	15
14	4	41/30	0.030	0.76	0.030	0.76	0.39-0.44	9.9-11.0	112	15
12	2	65/30	0.030	0.76	0.030	1.14	0.41-0.46	10.3-11.6	109	25
12	3	65/30	0.030	0.76	0.030	1.14	0.43-0.48	10.8-12.1	133	20
10	3	103/30	0.045	1.14	0.045	1.52	0.58-0.64	14.4-16.1	230	25

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Size	No of conductor	Conductor strand	Nominal insulation thickness		Nominal jacket thickness		Nominal overall Diameter		Approx. Weight	Ampacity <sup>1</sup>
			Inches	mm	Inches	mm	Inches	mm		
AWG									lbs/1000ft	A
18	2	16/30	0.030	0.76	0.060	1.52	0.34-0.39	8.6-9.8	64	10
18	3	16/30	0.030	0.76	0.060	1.52	0.36-0.40	9.1-10.2	75	10
18	4	16/30	0.030	0.76	0.060	1.52	0.39-0.43	9.8-10.9	87	7
16	5	16/30	0.030	0.76	0.060	2.03	0.46-0.51	11.7-13.0	133	5.6
16	2	26/30	0.030	0.76	0.060	1.52	0.37-0.41	9.3-10.4	78	13
16	3	26/30	0.030	0.76	0.060	1.52	0.39-0.43	9.8-10.9	91	13
16	4	26/30	0.030	0.76	0.060	1.52	0.41-0.46	10.4-11.7	108	10
16	5	26/30	0.030	0.76	0.060	2.03	0.490-0.550	12.5-14.0	149	8
16	2	41/30	0.045	1.14	0.080	2.03	0.50-0.55	12.6-14.0	140	18
14	3	41/30	0.045	1.14	0.080	2.03	0.52-0.58	13.2-14.6	163	18
14	4	41/30	0.045	1.14	0.080	2.03	0.56-0.82	14.2-15.7	192	15
12	2	65/30	0.045	1.14	0.095	2.41	0.57-0.63	14.4-15.9	184	25
12	3	65/30	0.045	1.14	0.095	2.41	0.59-0.66	15.0-16.6	213	25
10	3	103/30	0.045	1.14	0.095	2.41	0.65-0.72	16.5-18.3	271	30
8	4	67/0.0156	0.060	1.52	0.125	3.17	0.925-1.05	23.5-26.7	559	35
6	4	184/0.0117	0.060	1.52	0.140	3.56	1.05-1.20	26.7-30.5	758	45
2	4	262/0.0156	0.060	1.52	0.170	4.32	1.45-1.65	36.8-41.9	1581	80

<sup>1</sup> Ampacities (Amps per conductor) are based on 30°C ambient temperature in air per the NEC, Table 400,5(A).

Ampacities for 3/C and 4/C cords assume 1 conductor is used as a ground or neutral and does not carry current

### Standard print legend:

#### SJTOOW

TFCABLE (UL) E123366 SJTOOW 105°C (COND) (SIZE) 300V FT2 FT1 VW-1 WATER RESISTANT 60°C CSA LL103932 SJTOOW 105°C (COND) (SIZE) (mm2) 300V FT2 VW-1

#### STOOW

TFCABLE (UL) E123366 STOOW 105°C (COND) (SIZE) 600V FT2 FT1 VW-1 WATER RESISTANT 60°C CSA LL103932 STOOW 105°C (COND) (SIZE) (mm2) 600V FT2 VW-1