



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 ¹
			Inches	mm	Inches	mm	Inches	mm		
AWG			Inches	mm	Inches	mm	Inches	mm	lbs/1000ft	A
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 ¹
			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

¹ 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