



# SOOW

## 600 V

UL 62 and CAN/CSA-C 22.2 No 49

Power Cable UL, CSA, MSHA

### APPLICATIONS

Industrial and processing equipment, cranes and hoists, track systems, tools, construction equipment, motors and associated machinery, garage portable lights, battery charger and equipment exposed to oils, solvents, flame, moisture and other electrical equipment. Other industrial applications



### CONSTRUCTION

<b>Conductors</b>	Flexible stranded bare copper in accordance with ASTM B-3 and UL 62
<b>Separator</b>	Paper tape between conductor and insulation
<b>Insulation</b>	EPR compound Class 3 comply with Table 8 of UL 62
<b>Color code</b>	ICEA S-58-679, Method 1, Tab.1 2/C Black, White 3/C Black, White, Green 4/C Black, White, Red, Green 5/C Black, White, Red, Green, Orange
<b>Cabling</b>	Insulated conductors are assembled round together without rubber fillers (Integral Filled Version)
<b>Separator *)</b>	Talc *) Polyester tape under jacket only for version with rubber fillers
<b>Outer jacket</b>	CPE compound Class 1.4 comply to Table 11 of UL 62
<b>Color of outer jacket</b>	Black. Other colors available on request

### Features

Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water. Temperature range -40°C to +90°C. UV, sunlight, ozone, oil, resistant. Ink jet printed for easy identification. Flame test meets FT2, and MSHA. NEC Article 700 permitted use for specific applications. NFPA 70 permitted use in Hazardous Locations Classes I, II, III, Divisions 1 & 2 as outlined in Articles 501, 502, 503 section 140

# Approvals

UL: E123366 (CPE), CSA: 1534535 (LL 103932)(CPE), MSHA: P-7K-254013 (CPE), FT2

## Technical and Electrical Characteristic

Part Number	Size	No of conductor	Conductor strand	Nominal insulation thickness		Nominal jacket thickness		Nominal overall diameter		Weight	Ampacity at 30°C in air
	AWG	N	N/AWG	Inches	mm	Inches	mm	Inches	mm	LBS/1000ft	A
S00W8-3 IF-UL/CSA	8	3	67/0.0156	0.060	1.52	0.110	2.79	0.83	21.1	452	40
S00W8-4 IF-UL/CSA		4	67/0.0156	0.060	1.52	0.125	3.18	0.93	23.5	577	35
S00W8-5 IF-UL/CSA		5	67/0.0156	0.060	1.52	0.125	3.18	1.00	25.4	683	28
S00W6-3 IF-UL/CSA	6	3	184/0.0117	0.060	1.52	0.125	3.18	0.97	24.6	641	55
S00W6-4 IF-UL/CSA		4	184/0.0117	0.060	1.52	0.140	3.56	1.06	26.9	785	45
S00W6-5 IF-UL/CSA		5	184/0.0117	0.060	1.52	0.140	3.56	1.18	30.0	983	36
S00W4-3 IF-UL/CSA	4	3	165/0.0156	0.060	1.52	0.140	3.56	1.13	28.7	913	70
S00W4-4 IF-UL/CSA		4	165/0.0156	0.060	1.52	0.155	3.94	1.25	31.8	1156	60
S00W4-5 IF-UL/CSA		5	165/0.0156	0.060	1.52	0.155	3.94	1.31	33.2	1318	48
S00W2-3 IF-UL/CSA	2	3	262/0.0156	0.060	1.52	0.155	3.94	1.30	33.1	1287	95
S00W2-4 IF-UL/CSA		4	262/0.0156	0.060	1.52	0.170	4.32	1.45	36.8	1644	80
S00W2-5 IF-UL/CSA		5	262/0.0156	0.060	1.52	0.170	4.32	1.53	38.8	1900	64

NOTE 1. Ampacity values shown are for current carrying conductors. A grounding conductor, or one which carries only the unbalance current.  
 NOTE 2. Correction factor for ambient temperature of 40°C is 0,91.

### Standard print legend:

TF CABLE FLEXTREME (COND) (SIZE) (mm<sup>2</sup>) (UL) TYPE SOOW E123366 90°C SUN&WATER RES 600V FT2 CSA TYPE SOOW 90°C LL 103932 FT2 -40°C P-7K254013 MSHA

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