



# SOOW

## 600 V

UL 62 and CAN/CSA C22.2 No 49

Power Cable UL, CSA, MSHA. Extra Hard Usage

### 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

Conductors	Flexible stranded bare copper in accordance with ASTM B3 and UL 62
Separator	Paper tape between conductor and insulation
Insulation	EPR compound Class 3 complies with Table 8 of UL 62
Color code	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
Cabling	Insulated conductors cabled together with integral filled jacket, or with rubber fillers
Separator*)	Talc *) Polyester tape under jacket only for version with rubber fillers
Outer jacket	CPE compound Class 1.4 complies with Table 11 of UL 62
Color of outer jacket	Black. Other colors available on request



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## Features

Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water	NFPA 70 permitted use in Hazardous Locations Classes I, II, III, Divisions 1 & 2 as outlined in Articles 501, 502, 503 section 140
Temperature range –40°C to +90°C	Minimum bending radius: 6D D – overall diameter of cable
Flame test meets FT2, MSHA	Ink jet printed for easy identification
UV ,sunlight, ozone, oil resistant	
NEC article 700 permitted use for specific applications	

## Approvals

UL:	E123366 (CPE)
CSA:	1534535 (LL 103932)(CPE), FT2
MSHA:	P-7K-254013 (CPE)
Standard length cable packing	250, 500 or 1000 ft on drums. Other forms of packing and delivery are available on request

Part Number	Size		Conductor strand	Nominal insulation thickness		Nominal jacket thickness		Nominal overall diameter		Approx. Weight lbs/1000ft	Ampacity at 30°C in air A		
	AWG	N		Inches	mm	Inches	mm	Inches	mm				
SOOW8-2 IF-UL/CSA		2	67 /	0.0156	0.060	1.52	0.110	2.79	0.78	19.8	367	40	
SOOW8-3 IF-UL/CSA		3	67 /	0.0156	0.060	1.52	0.110	2.79	0.83	21.1	452	40	
SOOW8-4 IF-UL/CSA		8	4	67 /	0.0156	0.060	1.52	0.125	3.18	0.93	23.5	577	35
SOOW8-5 IF-UL/CSA			5	67 /	0.0156	0.060	1.52	0.125	3.18	1.00	25.4	683	28
SOOW6-2 IF-UL/CSA		6	2	184 /	0.0117	0.060	1.52	0.125	3.18	0.92	23.4	525	55
SOOW6-3 IF-UL/CSA			3	184 /	0.0117	0.060	1.52	0.125	3.18	0.97	24.6	641	55
SOOW6-4 IF-UL/CSA			4	184 /	0.0117	0.060	1.52	0.140	3.56	1.06	26.9	785	45
SOOW6-5 IF-UL/CSA			5	184 /	0.0117	0.060	1.52	0.140	3.56	1.18	30.0	983	36

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Part Number	Size	No of conductor	Conductor strand	Nominal insulation thickness		Nominal jacket thickness		Nominal overall diameter		Approx. Weight	Ampacity at 30°C in air
				Inches	mm	Inches	mm	Inches	mm		
	AWG	N	N/AWG							lbs/1000ft	A
SOOW4-2 IF-UL/CSA		2	165 / 0.0156	0.060	1.52	0.140	3.56	1.06	26.9	728	70
SOOW4-3 IF-UL/CSA	4	3	165 / 0.0156	0.060	1.52	0.140	3.56	1.13	28.7	913	70
SOOW4-4 IF-UL/CSA		4	165 / 0.0156	0.060	1.52	0.155	3.94	1.25	31.8	1156	60
SOOW4-5 IF-UL/CSA		5	165 / 0.0156	0.060	1.52	0.155	3.94	1.31	33.2	1318	48
SOOW2-2 IF-UL/CSA		2	262 / 0.0156	0.060	1.52	0.155	3.94	1.21	30.7	1000	95
SOOW2-3 IF-UL/CSA	2	3	262 / 0.0156	0.060	1.52	0.155	3.94	1.30	33.1	1287	95
SOOW2-4 IF-UL/CSA		4	262 / 0.0156	0.060	1.52	0.170	4.32	1.45	36.8	1644	80
SOOW2-5 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 unbalanced current from other conductors, is not counted in determining current carrying capacity

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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