



SOOW

600 V

UL 62 and CAN/CSA C22.2 No 49

Portable Cord 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
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
Cabling	Insulated conductors cabled together with integral filled jacket or with rubber fillers
Separator *)	Talc *) Paper 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	
UV, sunlight, ozone, oil, resistant	Ink jet printed for easy identification
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		Weight lbs/1000ft	Ampacity at 30°C in air
	AWG	No of conductor		Inches	mm	Inches	mm	Inches	mm		
S00W18-2 IF	18	2	16 / 30	0.030	0.76	0.060	1.52	0.34	8.6	63	10
S00W18-3 IF		3	16 / 30	0.030	0.76	0.060	1.52	0.36	9.1	74	10
S00W18-4 IF		4	16 / 30	0.030	0.76	0.060	1.52	0.39	9.8	87	7
S00W16-2 IF	16	2	26 / 30	0.030	0.76	0.060	1.52	0.374	9.5	76	13
S00W16-3 IF		3	26 / 30	0.030	0.76	0.060	1.52	0.39	10.1	90	13
S00W16-4 IF		4	26 / 30	0.030	0.76	0.060	1.52	0.42	10.6	107	10
S00W14-2 IF	14	2	41 / 30	0.045	1.14	0.080	2.03	0.50	12.6	137	18
S00W14-3 IF		3	41 / 30	0.045	1.14	0.080	2.03	0.52	13.3	161	18
S00W14-4 IF		4	41 / 30	0.045	1.14	0.080	2.03	0.57	14.4	192	15

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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
SOOW12-2 IF		2	65 / 30	0.045	1.14	0.095	2.41	0.57	14.4	184	25
SOOW12-3 IF	12	3	65 / 30	0.045	1.14	0.095	2.41	0.59	15.2	217	25
SOOW12-4 IF		4	65 / 30	0.045	1.14	0.095	2.41	0.64	16.5	261	20
SOOW10-2 IF		2	103 / 30	0.045	1.14	0.095	2.41	0.62	15.6	230	30
SOOW10-3 IF	10	3	103 / 30	0.045	1.14	0.095	2.41	0.65	16.5	281	30
SOOW10-4 IF		4	103 / 30	0.045	1.14	0.095	2.41	0.71	18.0	336	25

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) (mm²) (UL) TYPE SOOW E123366 90 OC SUN&WATER RES 600V FT2 CSA TYPE SOOW 90°C LL 103932 FT2 -40°C P-7K254013 MSHA

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