



SOOW

600 V

UL 62 and CAN/CSA-C 22.2 No 49

Portable Cord, 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

Conductors	Flexible stranded bare copper in accordance with ASTM B-3 and UL 62
Insulation	EPR compound Class 3 comply 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 are assembled round together without rubber fillers (Integral Filled Version)
Separator *)	Talc *) Paper tape under jacket only for version with rubber fillers
Outer jacket	CPE compound Class 1.4 comply to Table 11 of UL 62
Color of outer jacket	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
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
S00W12-2 IF	12	2	65/30	0.045	1.14	0.095	2.41	0.57	14.4	184	25
S00W12-3 IF		3	65/30	0.045	1.14	0.095	2.41	0.59	15.2	217	25
S00W12-4 IF		4	65/30	0.045	1.14	0.095	2.41	0.64	16.5	261	20
S00W10-2 IF	10	2	103/30	0.045	1.14	0.095	2.41	0.62	15.6	230	30
S00W10-3 IF		3	103/30	0.045	1.14	0.095	2.41	0.65	16.5	281	30
S00W10-4 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 unbalance current.
 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°C SUN&WATER RES 600V FT2 CSA TYPE SOOW 90°C LL 103932 FT2 -40°C P-7K254013 MSHA

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