



S00W 600V

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
SOOW18-2 IF	18	2	16/30	0.030	0.76	0.060	1.52	0.348	8.84	68	10
SOOW18-3 IF		3	16/30	0.030	0.76	0.060	1.52	0.368	9.34	79	10
SOOW18-4 IF		4	16/30	0.030	0.76	0.060	1.52	0.394	10.0	92	7
SOOW16-2 IF	16	2	26/30	0.030	0.76	0.060	1.52	0.374	9.5	82	13
SOOW16-3 IF		3	26/30	0.030	0.76	0.060	1.52	0.394	10.0	96	13
SOOW16-4 IF		4	26/30	0.030	0.76	0.060	1.52	0.417	10.6	112	10
SOOW14-2 IF	14	2	41/30	0.045	1.14	0.080	2.03	0.504	12.8	151	18
SOOW14-3 IF		3	41/30	0.045	1.14	0.080	2.03	0.528	13.4	169	18
SOOW14-4 IF		4	41/30	0.045	1.14	0.080	2.03	0.567	14.4	198	15
SOOW12-2 IF	12	2	65/30	0.045	1.14	0.095	2.41	0.575	14.6	198	25
SOOW12-3 IF		3	65/30	0.045	1.14	0.095	2.41	0.598	15.2	228	25
SOOW12-4 IF		4	65/30	0.045	1.14	0.095	2.41	0.650	16.5	273	20
SOOW10-2 IF	10	2	103/30	0.045	1.14	0.095	2.41	0.622	15.8	245	30
SOOW10-3 IF		3	103/30	0.045	1.14	0.095	2.41	0.657	16.7	292	30
SOOW10-4 IF		4	103/30	0.045	1.14	0.095	2.41	0.709	18.0	338	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°C SUN&WATER RES 600V FT2 CSA TYPE SOOW (COND) (SIZE) (mm²) 90°C LL 103932 600V FT2 -40°C P-7K254013 MSHA