



SOOW

600 V

Based on UL 62 and CAN/CSA C22.2 No 49

Power Cable, 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 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
Cabling	4/C Black, White, Red, Green
	5/C Black, White, Red, Green, Orange
	Insulated conductors cabled together with or without rubber fillers
Separator	Polyester tape under jacket
Outer jacket	CPE compound Class 1.4 complies with Table 11 of UL 62
Color of outer jacket	Black . Other colors available on request



SOOW

Features

Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water	Minimum bending radius: 6D D – overall diameter of cable
Temperature range –40°C to +90°C	
UV, sunlight, ozone, oil resistant	Ink jet printed for easy identification
Flame test meets MSHA	

Approvals

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

Non UL, MSHA approved

Part Number	Size	No of conductor	Conductor strand	Nominal insulation thickness		Nominal jacket thickness		Approx overall diameter		Weight	Ampacity at 30°C in air	
	AWG	N	N/AWG	Inches	mm	Inches	mm	Inches	mm	lbs/1000ft	A	
S00W8-2 IF	8	2	67 /	0.0156	0.05	1.27	0.06	1.52	0.64	16.1	258	40
S00W8-3 IF		3	67 /	0.0156	0.05	1.27	0.06	1.52	0.68	17.1	326	40
S00W8-4 IF		4	67 /	0.0156	0.05	1.27	0.06	1.52	0.74	18.8	410	35
S00W8-5 IF		5	67 /	0.0156	0.05	1.27	0.06	1.52	0.81	20.7	499	28
S00W6-2 IF	6	2	184 /	0.0117	0.05	1.27	0.06	1.52	0.72	18.4	353	55
S00W6-3 IF		3	184 /	0.0117	0.05	1.27	0.06	1.52	0.77	19.5	450	55
S00W6-4 IF		4	184 /	0.0117	0.05	1.27	0.08	2.03	0.89	22.5	607	45
S00W6-5 IF		5	184 /	0.0117	0.05	1.27	0.08	2.03	0.97	24.7	736	36
S00W4-2 IF	4	2	165 /	0.0156	0.05	1.27	0.08	2.03	0.88	22.4	540	70
S00W4-3 IF		3	165 /	0.0156	0.05	1.27	0.08	2.03	0.94	23.8	689	70

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Part Number	Size	No of conductor	Conductor strand	Nominal insulation thickness		Nominal jacket thickness		Approx overall diameter		Weight	Ampacity at 30°C in air	
	AWG	N	N/AWG	Inches	mm	Inches	mm	Inches	mm	lbs/1000ft	A	
SOOW4-4 IF	4	4	165 /	0.0156	0.05	1.27	0.08	2.03	1.03	26.1	876	60
SOOW4-5 IF		5	165 /	0.0156	0.05	1.27	0.08	2.03	1.13	28.8	1068	48
SOOW2-2 IF	2	2	262 /	0.0156	0.05	1.27	0.08	2.03	1.02	25.8	816	95
SOOW2-3 IF		3	262 /	0.0156	0.05	1.27	0.08	2.03	1.08	27.4	1029	95
SOOW2-4 IF		4	262 /	0.0156	0.05	1.27	0.08	2.03	1.19	30.2	1297	80
SOOW2-5 IF		5	262 /	0.0156	0.05	1.27	0.08	2.03	1.31	33.3	1597	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

Ink jet printed :

TF CABLE FLEXTREME (COND) (SIZE) (mm²) TYPE SOOW
SUN&WATER RES 90°C P-7K-254013

Indent printed:

P-7K-254013 MSHA

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