



SOOW

600 V

UL 62 and CAN/CSA-C 22.2 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 B-3 and UL 62
Separator	Paper tape between conductor and insulation
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 5/C Black, White, Red, Green, Orange
Cabling	Insulated conductors are assembled round together without rubber fillers (Integral Filled Version)
Separator	Polyester tape under jacket
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. 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

MSHA: P-7K-254013 (CPE)

(Non UL, MSHA approved)

Part Number	Size	No of conductor	Conductor strand	Nominal insulation thickness		Nominal jacket thickness		Nominal overall diameter		Weight LBS/1000ft	Ampacity at 30°C in air A
	AWG			N	N/AWG	Inches	mm	Inches	mm		
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	45
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	4	2	165/0.0156	0.05	1.27	0.08	2.03	0.88	22.4	540	70
S00W4-3		3	165/0.0156	0.05	1.27	0.08	2.03	0.94	23.8	689	70
S00W4-4		4	165/0.0156	0.05	1.27	0.08	2.03	1.03	26.1	876	60
S00W4-5		5	165/0.0156	0.05	1.27	0.08	2.03	1.13	28.8	1068	48
S00W2-2	2	2	262/0.0156	0.05	1.27	0.08	2.03	1.02	25.8	816	95
S00W2-3		3	262/0.0156	0.05	1.27	0.08	2.03	1.08	27.4	1029	95
S00W2-4		4	262/0.0156	0.05	1.27	0.08	2.03	1.19	30.2	1297	80
S00W2-5		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 S00W SUN&WATER RES 90°C

Indent printed: P-7K-254013 MSHA