



SOOW

600 V

UL 62 and CAN/CSA-C 22.2 No 49

Power Cable 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
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 *)	Talc *) Polyester 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. 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
SOOW8-3 IF-UL/CSA	8	3	67/0.0156	0.060	1.52	0.110	2.79	0.83	21.1	452	40
SOOW8-4 IF-UL/CSA		4	67/0.0156	0.060	1.52	0.125	3.18	0.93	23.5	577	35
SOOW8-5 IF-UL/CSA		5	67/0.0156	0.060	1.52	0.125	3.18	1.00	25.4	683	28
SOOW6-3 IF-UL/CSA	6	3	184/0.0117	0.060	1.52	0.125	3.18	0.97	24.6	641	55
SOOW6-4 IF-UL/CSA		4	184/0.0117	0.060	1.52	0.140	3.56	1.06	26.9	785	45
SOOW6-5 IF-UL/CSA		5	184/0.0117	0.060	1.52	0.140	3.56	1.18	30.0	983	36
SOOW4-3 IF-UL/CSA	4	3	165/0.0156	0.060	1.52	0.140	3.56	1.13	28.7	913	70
SOOW4-4 IF-UL/CSA		4	165/0.0156	0.060	1.52	0.155	3.94	1.25	31.8	1156	60
SOOW4-5 IF-UL/CSA		5	165/0.0156	0.060	1.52	0.155	3.94	1.31	33.2	1318	48
SOOW2-3 IF-UL/CSA	2	3	262/0.0156	0.060	1.52	0.155	3.94	1.30	33.1	1287	95
SOOW2-4 IF-UL/CSA		4	262/0.0156	0.060	1.52	0.170	4.32	1.45	36.8	1644	80
SOOW2-5 IF-UL/CSA		5	262/0.0156	0.060	1.52	0.170	4.32	1.53	38.8	1900	64

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:

Ink jet printed:

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 Indent printed: P-7K-254013 MSHA

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