

Power Cable -40°C + 90°C UL CSA MSHA Extra Hard Usage - High Grade Mechanical Service



SPECIFICATIONS & STANDARDS

UL 62/CSA-C 22.2 No 49

CONSTRUCTION:

Conductors:	Stranded bare copper, ASTM B-173 and UL 62
Insulation:	EPR compound, 90°C compound class 3, table 8, UL 62
Assembly:	Insulated conductors cabled together with integral filled or rubber fillers
Separator:	Polyester tape for 8-2 AWG
Jacket:	Black CPE 90°C compound class 1.4, UL 62, table 15
Color code:	ICEA S-58-679, Method 1, table 1; 2/c, 3/c - black, white, green; 4/c, 5/c - black, white, red, green, orange

FEATURES	APPLICATION
<ul style="list-style-type: none"> - Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water - Flame test meets VW-1, FT2, and MSHA - Temperature range: -40°C to +90°C - Suitable for shallow water immersion 	<ul style="list-style-type: none"> - 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

APPROVALS:

UL:	E123366
CSA:	1534535 (LL 103932)
MSHA:	P-7K-254013

Part Number	Power Conductor Size	No. of Conductors	Power Conductor Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal O.D.		Approx. Weight lbs/1000 ft	Ampacity (1) 30°C Ambient Temp.
	AWG		No. and Diameter of Stranding	inches	mm	inches	mm	inches	mm		A
SOOW8-2 IF UL/CSA	8	2	67 / 0.0156	0.060	1.52	0.110	2.79	0.78	19.8	367	40.0
SOOW8-3 IF UL/CSA		3				0.110	2.79	0.83	21.1	452	40.0
SOOW8-4 IF UL/CSA		4				0.125	3.18	0.93	23.5	577	35.0
SOOW8-5 IF UL/CSA		5				0.125	3.18	1.00	25.4	683	28.0
SOOW6-2 IF UL/CSA	6	2	184 / 0.0117	0.060	1.52	0.125	3.18	0.92	23.4	525	55.0
SOOW6-3 IF UL/CSA		3				0.125	3.18	0.97	24.6	641	55.0
SOOW6-4 IF UL/CSA		4				0.140	3.56	1.05	26.7	785	45.0
SOOW6-5 IF UL/CSA		5				0.140	3.56	1.18	30.0	983	36.0
SOOW4-2 IF UL/CSA	4	2	165 / 0.0156	0.060	1.52	0.410	3.56	1.06	26.9	728	70.0
SOOW4-3 IF UL/CSA		3				0.140	3.56	1.13	28.7	913	70.0
SOOW4-4 IF UL/CSA		4				0.155	3.94	1.25	31.8	1156	60.0
SOOW4-5 IF UL/CSA		5				0.155	3.94	1.31	33.2	1318	48.0
SOOW2-2 IF UL/CSA	2	2	262 / 0.0156	0.060	1.52	0.155	3.94	1.21	30.7	1000	95.0
SOOW2-3 IF UL/CSA		3				0.155	3.94	1.30	33.1	1287	95.0
SOOW2-4 IF UL/CSA		4				0.170	4.32	1.45	36.8	1644	80.0
SOOW2-5 IF UL/CSA		5				0.170	4.32	1.53	38.8	1900	64.0

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

STANDARD PRINT LEGEND:

TF CABLE FLEXTREME (COND) (SIZE) (mm²) (UL) SOOW E123366 90C SUN & WATER RES 600V CSA 1534535 SOOW 90C LL 103932 FT2 -40C P-7K-254013 MSHA

SPECIAL FACTORY OPTIONS:

Color jacket:	Yellow, Orange
SOOW/H07:	European harmonized dual rating