

GENCABLE

CABLE & PORTABLE POWER SOLUTIONS

600V SOOW

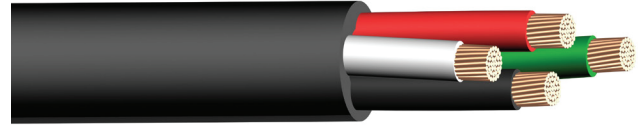
Portable Cord -40°C UL CSA MSHA
Extra Hard Usage - High Grade Mechanical Service

SPECIFICATIONS & STANDARDS

UL 62/CSA-C 22.2 No 49

CONSTRUCTION:

Conductors:	Flexible stranded bare copper, ASTM B-174 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:	Paper tape or talc for 18-10 AWG / Polyester tape for 8-2 AWG
Jacket:	Black CPE 90°C compound class 1.4, table 22, UL 62
Color code:	ICEA S-58-679, Method 1, table 1; black, white, red, green



RoHS
COMPLIANT

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	Ampacity (1) 30°C Ambient Temp.
				inches	mm	inches	mm	inches	mm		
SOOW18-2 IF	18	2	16 / 30	0.030	0.76	0.060	1.52	0.34	8.6	63	10.0
SOOW18-3 IF		3						0.36	9.1	74	10.0
SOOW18-4 IF		4						0.39	9.8	87	7.0
SOOW16-2 IF	16	2	26 / 30	0.030	0.76	0.060	1.52	0.37	9.3	76	13.0
SOOW16-3 IF		3						0.39	10.1	90	13.0
SOOW16-4 IF		4						0.42	10.5	107	10.0
SOOW14-2 IF	14	2	41 / 30	0.045	1.14	0.080	2.03	0.50	12.6	137	18.0
SOOW14-3 IF		3						0.52	13.3	161	18.0
SOOW14-4 IF		4						0.57	14.4	192	15.0
SOOW12-2 IF	12	2	65 / 30	0.045	1.14	0.095	2.41	0.57	14.4	184	25.0
SOOW12-3 IF		3						0.59	15.2	217	25.0
SOOW12-4 IF		4						0.64	16.5	261	20.0
SOOW10-2 IF	10	2	104 / 30	0.045	1.14	0.095	2.41	0.62	15.6	230	30.0
SOOW10-3 IF		3						0.65	16.5	281	30.0
SOOW10-4 IF		4						0.70	17.8	336	25.0

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

STANDARD PRINT LEGEND:

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

SPECIAL FACTORY OPTIONS:

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