

## Portable Cord -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:** 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; 2/c, 3/c - black, white, green; 4/c, 5/c - black, white, red, green, orange

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

### 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. of Stranding	inches	mm	inches	mm	inches	mm		A
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:

TF CABLE FLEXTREME (COND) (SIZE) (mm<sup>2</sup>) (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