

## Portable Cord -50°C +105°C UL CSA Extra Hard Usage - High Grade Mechanical Service



### SPECIFICATIONS & STANDARDS

UL 62/CSA-C 22.2 No 49

### CONSTRUCTION:

<b>Conductors:</b>	Stranded annealed bare copper, ASTM B-174 and UL 62
<b>Insulation:</b>	EPR 105°C compound class 19, table 8, UL 62
<b>Assembly:</b>	Insulated conductors cabled together
<b>Separator:</b>	Polyester tape for 18-10 AWG
<b>Jacket:</b>	Yellow CPE 105°C compound class 1.12, table 11, UL 62
<b>Color code:</b>	ICEA S-58-679, Method 1, table 1; 3/c - black, white, green; 4/c - black, white, red, green

FEATURES	APPLICATION
<ul style="list-style-type: none"> <li>- Excellent flexibility in cold temperatures, resistance to oils, acids, chemicals, solvents, ozone, weather and water</li> <li>- Flame test meets FT2, MSHA</li> <li>- Temperature range: -50°C to +105°C</li> <li>- For Indoor and outdoor use</li> <li>- NEC Article 700 permitted use for specific applications.</li> <li>- NFPA 70 permitted use in Hazardous Locations Classes I, II, III, Divisions 1 &amp; 2 as outlined in Articles 501, 502, 503 section 140</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:

<b>UL:</b>	E123366
<b>CSA:</b>	1534535 (LL 103932)

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
SOOW18-3 IF-105C-YEL SOOW18-4 IF-105C-YEL	18	3 4	16 / 30	0.030	0.76	0.060	1.52	0.36 0.39	9.1 9.8	74 87	10.0 7.0
SOOW16-3 IF-105C-YEL SOOW16-4 IF-105C-YEL	16	3 4	26 / 30	0.030	0.76	0.060	1.52	0.39 0.42	10.1 10.5	90 107	13.0 10.0
SOOW14-3 IF-105C-YEL SOOW14-4 IF-105C-YEL	14	3 4	41 / 30	0.045	1.14	0.080	2.03	0.52 0.57	13.3 14.4	161 192	18.0 15.0
SOOW12-3 IF-105C-YEL SOOW12-4 IF-105C-YEL	12	3 4	65 / 30	0.045	1.14	0.095	2.41	0.59 0.64	15.2 16.5	217 261	25.0 20.0
SOOW10-3 IF-105C-YEL SOOW10-4 IF-105C-YEL	10	3 4	103 / 30	0.045	1.14	0.095	2.41	0.65 0.70	16.5 17.8	281 336	30.0 25.0

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

### STANDARD PRINT LEGEND:

TF CABLE SUPER FLEXTREME (COND) (SIZE) (mm<sup>2</sup>) (UL) TYPE SOOW E123366 105C SUN & WATER RES 600V CSA SOOW 105C LL 103932 FT2 -50C