

# Type SOOW 600V 105°C / -50°C



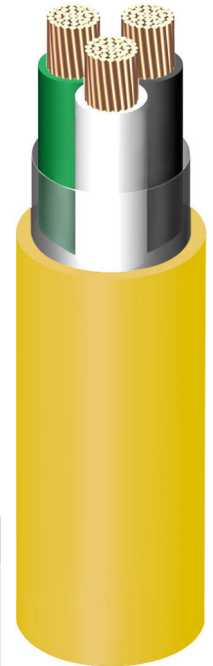
## Portable cord and control cable

### SPECIFICATIONS & STANDARDS

UL 62 and CAN/CSA-C 22.2 No 49

#### CONSTRUCTION:

<b>Conductors:</b>	Flexible stranded annealed bare copper in accordance with ASTM B-174 and UL 62
<b>Insulation:</b>	EP 105°C of UL 62
<b>Assembly:</b>	Insulated conductors assembled round with filters as needed
<b>Separator:</b>	Paper tape as needed
<b>Jacket:</b>	CPE or CP 105°C of UL 62
<b>Color of jacket:</b>	Yellow



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 VW-1, FT2, MSHA</li><li>- Temperature range: -50°C to +105° C</li><li>- For Indoor and outdoor use</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>

#### COLOR CODE:

- 2/C black, white
- 3/C black, white, green
- 4/C black, white, red, green
- 5/C black, white, red, green, orange

#### MULTICORE CABLES:

Number of core:	Color	Tracer
1	black	-
2	white	-
3	red	-
4	green	-
5	orange	-
6	blue	-
7	white	black

Number of core:	Color	Tracer
8	red	black
9	green	black
10	orange	black
11	blue	black
12	black	white
13	red	white
14	green	white

Number of core:	Color	Tracer
15	blue	white
16	black	red
17	white	red
18	orange	red
19	blue	red
20	red	green
21	orange	green

Standard length cable packing: 1000 ft reels; Other forms of packaging available

#### APPROVALS:

<b>MSHA:</b>	P-7K-254013 (CPE)
<b>UL:</b>	E123366 (CPE)
<b>CSA:</b>	1534535 (LL 103932) (CPE)



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## UL LISTED

## CSA CERTIFIED

## MSHA APPROVED

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-YW-105C SOOW18-4-YW-105C	18	3	16 / 30	0.030	0.76	0.060	1.52	0.37	9.3	77	10.0
		4	16 / 30	0.030	0.76	0.060	1.52	0.39	10.0	90	7.0
SOOW16-3-YW-105C SOOW16-4-YW-105C	16	3	26 / 30	0.030	0.76	0.060	1.52	0.40	10.0	94	13.0
		4	26 / 30	0.030	0.76	0.060	1.52	0.42	10.7	109	10.0
SOOW14-3-YW-105C SOOW14-4-YW-105C	14	3	41 / 30	0.045	1.14	0.080	2.03	0.53	13.4	164	18.0
		4	41 / 30	0.045	1.14	0.080	2.03	0.57	14.5	195	15.0
SOOW12-3-YW-105C SOOW12-4-YW-105C	12	3	65 / 30	0.045	1.14	0.095	2.41	0.60	15.2	222	25.0
		4	65 / 30	0.045	1.14	0.095	2.41	0.65	16.5	267	20.0
SOOW10-3-YW-105C SOOW10-4-YW-105C	10	3	103 / 30	0.045	1.14	0.095	2.41	0.66	16.7	287	30.0
		4	103 / 30	0.045	1.14	0.095	2.41	0.71	18.0	344	25.0

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

## STANDARD PRINT LEGEND:

TFCA (SIZE) (UL) TYPE SOOW E123366 90C SUN & WATER RES 600V CSA TYPE SOOW 90C  
LL 103932 FT-2 -40C P-7K-254013 MSHA

