

## PORTABLE CONTROL CABLE TYPE SOOW - #18AWG 90DEG C 600VOLTS UL, CSA, AND MSHA LISTED

### CONSTRUCTION:

**CONDUCTOR** 16 STRANDS OF #30AWG FLEXIBLE SOFT DRAWN BARE COPPER PER ASTM B-3.

**INSULATION** EPDM RUBBER COLOR CODED PER ICEA METHOD 1 TABLE E-1, EXCEPT 3/C #18, WHICH IS BLACK-WHITE-GREEN.

**ASSEMBLY** INSULATED CONDUCTORS ARE CABLED TOGETHER WITH FILLERS AS NEEDED AND A SUITABLE TAPE SEPARATOR.

**JACKET** BLACK THERMOSET CPE RUBBER JACKET WHICH IS ABRASION, CHEMICAL, FLAME, OIL, OZONE, SUNLIGHT, AND WATER RESISTANT.

Charlotte Wire Part#	Size AWG	Number of Conductors	Insulation Thickness (in.)	Jacket Thickness (in.)	Rating in Amps*	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW03066	18	2	.030"	.060"	10	.34"	71
CW03067	18	3	.030"	.060"	10	.36"	84
CW03068	18	4	.030"	.060"	7	.39"	100
CW03069	18	5	.030"	.080"	5.6	.47"	130
CW03070	18	6	.030"	.080"	5.6	.50"	150
CW03071	18	7	.030"	.080"	4.9	.50"	161
CW03072	18	8	.030"	.080"	4.9	.53"	182
CW03073	18	9	.030"	.080"	4.9	.59"	215
CW03074	18	10	.030"	.080"	3.5	.61"	225
CW03075	18	12	.030"	.080"	3.5	.64"	248
CW03076	18	14	.030"	.080"	3.5	.66"	290
CW03077	18	16	.030"	.095"	3.5	.71"	328
CW03078	18	20	.030"	.095"	3.5	.80"	380
CW03079	18	24	.030"	.095"	3.1	.89"	450
CW03080	18	30	.030"	.095"	3.1	.96"	515
CW03081	18	36	.030"	.110"	2.8	1.02"	660
CW03082	18	37	.030"	.110"	2.8	1.05"	670
CW03083	18	40	.030"	.110"	2.8	1.10"	715

\*Ampacities based on 30Deg C ambient temperature in air per the 2011 NEC, Table 400.5(A)(1).

Values shown are for current carrying conductors. A grounding conductor, or one which carries only the unbalance current from other conductors is not counted in determining current carrying capacity.

### APPLICATION:

For use in connection of portable equipment and appliances. Also for use on signal and control circuits in industrial plants. Designed for extra hard usage and for equipment that is exposed to chemicals, oils, sunlight, and moisture.

### STANDARDS:

UL Standard 62 for flexible cords.

CSA Standard C22.2 No. 49 for flexible cords.

MSHA Approved: passes MSHA flame test.

UL & CSA Type SOW: Weather resistant/outdoor.