



“Taking Care of Business”

toll free: 800-929-9473

PORTABLE CONTROL CABLE TYPE SOOW - #10AWG 90DEG C 600VOLTS UL, CSA, AND MSHA LISTED

CONSTRUCTION:

CONDUCTOR 104 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 #10, 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)
CW03170	10	2	.045"	.095"	30	.63"	240
CW03171	10	3	.045"	.095"	30	.66"	300
CW03172	10	4	.045"	.095"	25	.71"	360
CW03173	10	5	.045"	.095"	20	.77"	461
CW03174	10	6	.045"	.095"	20	.83"	515
CW03175	10	7	.045"	.095"	17.5	.83"	550
CW03176	10	8	.045"	.095"	17.5	.91"	645
CW03177	10	10	.045"	.110"	12.5	1.06"	810
CW03178	10	12	.045"	.110"	12.5	1.12"	908
CW03179	10	16	.045"	.110"	12.5	1.24"	1144
CW03180	10	20	.045"	.125"	12.5	1.35"	1410
CW03181	10	24	.045"	.125"	12.5	1.46"	1790
CW03182	10	30	.045"	.125"	12.5	1.59"	2050
CW03183	10	40	.045"	.125"	12.5	1.90"	2580

*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.