

**PORTABLE CONTROL CABLE
TYPE SOOW - #12AWG
90DEG C 600VOLTS UL, CSA, AND MSHA LISTED**

CONSTRUCTION:

CONDUCTOR 65 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 #12, 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) |
|----------------------|----------|----------------------|----------------------------|------------------------|-----------------|------------------------|---------------------------|
| CW03145 | 12 | 2 | .045" | .095" | 25 | .58" | 190 |
| CW03146 | 12 | 3 | .045" | .095" | 25 | .60" | 235 |
| CW03147 | 12 | 4 | .045" | .095" | 20 | .65" | 286 |
| CW03148 | 12 | 5 | .045" | .095" | 16 | .71" | 350 |
| CW03149 | 12 | 6 | .045" | .095" | 16 | .75" | 386 |
| CW03150 | 12 | 7 | .045" | .095" | 14 | .75" | 415 |
| CW03151 | 12 | 8 | .045" | .095" | 14 | .81" | 488 |
| CW03152 | 12 | 9 | .045" | .095" | 14 | .87" | 540 |
| CW03153 | 12 | 10 | .045" | .095" | 10 | .91" | 584 |
| CW03154 | 12 | 12 | .045" | .095" | 10 | .96" | 680 |
| CW03155 | 12 | 16 | .045" | .110" | 10 | 1.10" | 890 |
| CW03156 | 12 | 20 | .045" | .110" | 10 | 1.21" | 1055 |
| CW03157 | 12 | 24 | .045" | .125" | 9 | 1.35" | 1225 |
| CW03158 | 12 | 30 | .045" | .125" | 9 | 1.49" | 1460 |
| CW03159 | 12 | 36 | .045" | .125" | 8 | 1.57" | 1740 |
| CW03160 | 12 | 37 | .045" | .125" | 8 | 1.57" | 1778 |
| CW03161 | 12 | 40 | .045" | .125" | 8 | 1.63" | 1980 |
| CW03162 | 12 | 44 | .045" | .125" | 8 | 1.72" | 2090 |

*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.