

SUPER FLEX PVC CONTROL CABLE CONTINUOUS FLEX / ROBOTIC CABLE #16AWG AND #14AWG UL & CSA AWM, 90DEGREES C 600VOLTS

CONSTRUCTION:

CONDUCTOR SUPER FINE FLEXIBLE STRANDED BARE COPPER.

INSULATION POLYVINYLCHLORIDE (PVC).

COLOR CODE RED CONDUCTORS WITH CONSECUTIVE NUMBERING, PLUS ONE GREEN/YELLOW STRIPED GROUND (INCLUDED IN TOTAL CONDUCTOR COUNT).

JACKET BLACK OIL RESISTANT POLYVINYL CHLORIDE (PVC).*

| Charlotte Wire Part# ** | Conductor Size | | Number of Conductors | Overall Diameter | | Net Weight | |
|-------------------------|----------------|--------|----------------------|------------------|--------|------------|-------|
| | AWG | sq. mm | | in. | mm | Lbs/Mft | Kg/Km |
| CW03726 | 16 | 1.5mm2 | 2 | .32" | 8.1mm | 58 | 86 |
| CW03727 | 16 | 1.5mm2 | 3 | .34" | 8.6mm | 69 | 103 |
| CW03728 | 16 | 1.5mm2 | 4 | .37" | 9.4mm | 89 | 133 |
| CW03729 | 16 | 1.5mm2 | 5 | .40" | 10.2mm | 115 | 171 |
| CW03730 | 16 | 1.5mm2 | 7 | .49" | 12.5mm | 140 | 209 |
| CW03731 | 16 | 1.5mm2 | 9 | .56" | 14.2mm | 182 | 271 |
| CW03732 | 16 | 1.5mm2 | 12 | .59" | 15mm | 220 | 328 |
| CW03733 | 16 | 1.5mm2 | 18 | .69" | 17.5mm | 320 | 477 |
| CW03734 | 16 | 1.5mm2 | 25 | .85" | 21.6mm | 465 | 693 |
| CW03735 | 16 | 1.5mm2 | 34 | .93" | 23.6mm | 630 | 939 |
| CW03747 | 16 | 1.5mm2 | 41 | .98" | 24.9mm | 830 | 1237 |
| CW03736 | 16 | 1.5mm2 | 50 | 1.10" | 28mm | 890 | 1327 |
| CW03737 | 16 | 1.5mm2 | 60 | 1.24" | 31.5mm | 1060 | 1580 |
| CW03738 | 14 | 2.5mm2 | 2 | .38" | 9.7mm | 98 | 146 |
| CW03739 | 14 | 2.5mm2 | 3 | .42" | 10.7mm | 112 | 167 |
| CW03740 | 14 | 2.5mm2 | 4 | .45" | 11.4mm | 151 | 225 |
| CW03741 | 14 | 2.5mm2 | 5 | .50" | 12.7mm | 176 | 262 |
| CW03742 | 14 | 2.5mm2 | 7 | .61" | 15.5mm | 232 | 346 |
| CW03743 | 14 | 2.5mm2 | 9 | .70" | 17.8mm | 348 | 519 |
| CW03744 | 14 | 2.5mm2 | 12 | .74" | 18.8mm | 443 | 660 |
| CW03745 | 14 | 2.5mm2 | 18 | .88" | 22.4mm | 630 | 939 |
| CW03746 | 14 | 2.5mm2 | 25 | 1.05" | 26.7mm | 950 | 1416 |

*To specify TPE insulation (black and numbered) with gray Polyurethane jacket, add suffix "TPUGY" to Charlotte Wire part number.

**To specify overall tinned copper braid shield with additional outer PVC jacket, add suffix "CY" to Charlotte Wire part number.

APPLICATION:

Suitable as a flexible control cable in a variety of uses such as assembly lines, control panels and systems, machine tools, automation equipment, and material handling equipment. Specially formulated PVC jacket is oil resistant, and allows for use in wet or dry locations.

TEMPERATURE RANGE:

In flexing application: -5Deg C to +90Deg C.
In stationary installation: -40Deg C to +90Deg C.

STANDARDS:

UL AWM.
CSA AWM.