



*“Taking Care of Business”*

toll free: 800-929-9473

**SUPER FLEX PVC CONTROL CABLE  
CONTINUOUS FLEX / ROBOTIC CABLE  
#20AWG AND #18AWG  
UL & CSA AWM 90DEGREES C 600VOLTS**

**CONSTRUCTION:**

**CONDUCTOR** SUPER FINE FLEXIBLE STRANDED BARE COPPER.

**INSULATION** POLYVINYL CHLORIDE (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# **	Size AWG	Number of Conductors	Overall Diameter		Net Weight	
			in.	mm	Lbs/Mft	Kg/Km
CW03701	20	2	.25"	6.4mm	35	52
CW03702	20	3	.27"	6.9mm	41	61
CW03703	20	4	.29"	7.4mm	47	70
CW03704	20	5	.32"	8.1mm	55	82
CW03705	20	7	.39"	9.9mm	77	115
CW03706	20	9	.44"	11.2mm	112	167
CW03707	20	12	.47"	11.9mm	126	188
CW03708	20	18	.54"	13.7mm	178	266
CW03709	20	25	.68"	17.3mm	260	388
CW03710	20	34	.76"	19.3mm	330	492
CW03711	18	2	.27"	6.9mm	43	64
CW03712	18	3	.29"	7.4mm	48	72
CW03713	18	4	.33"	8.4mm	60	89
CW03714	18	5	.36"	9.1mm	72	107
CW03715	18	7	.43"	10.9mm	100	149
CW03716	18	9	.50"	12.7mm	128	191
CW03717	18	12	.52"	13.2mm	160	239
CW03718	18	18	.62"	15.7mm	225	335
CW03719	18	25	.74"	18.8mm	340	507
CW03720	18	34	.85"	21.6mm	460	686

\*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 very flexible control cable in a variety of continuous flex uses such as cable track systems, gantry systems, machine tools, robotics, and automation equipment. Specially formulated PVC jacket is oil-resistant and allows for use in dry and wet locations.

**STANDARDS:**

UL AWM.  
CSA AWM.

**TEMPERATURE RANGE:**

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

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