

SUPER FLEX PVC CONTROL CABLE
CONTINUOUS FLEX / ROBOTIC CABLE
#12AWG THROUGH #2AWG
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
CW03751	12	4mm2	3	.50"	12.7mm	180	268
CW03752	12	4mm2	4	.54"	13.7mm	220	328
CW03753	12	4mm2	5	.58"	14.7mm	285	425
CW03754	12	4mm2	7	.71"	18.0mm	345	514
CW03755	10	6mm2	3	.58"	14.7mm	250	373
CW03756	10	6mm2	4	.63"	16.0mm	290	432
CW03757	10	6mm2	5	.68"	17.3mm	350	522
CW03758	8	10mm2	3	.70"	17.8mm	410	611
CW03759	8	10mm2	4	.75"	19.1mm	475	708
CW03760	8	10mm2	5	.84"	21.3mm	565	842
CW03761	6	16mm2	3	.86"	21.8mm	620	924
CW03762	6	16mm2	4	.99"	25.1mm	735	1096
CW03763	6	16mm2	5	1.08"	27.4mm	890	1327
CW03764	4	25mm2	3	1.00"	25.4mm	820	1223
CW03765	4	25mm2	4	1.10"	27.9mm	1040	1551
CW03766	4	25mm2	5	1.24"	31.5mm	1280	1908
CW03767	2	35mm2	3	1.15"	29.2mm	1160	1729
CW03768	2	35mm2	4	1.30"	33.0mm	1490	2221
CW03769	2	35mm2	5	1.43"	36.3mm	1800	2684

*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 corresponding Charlotte Wire part number.

APPLICATION:

Suitable as a very flexible power or 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 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.