



*“Taking Care of Business”*

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## 2000VOLT PHOTOVOLTAIC WIRE PV WIRE 2000VOLTS , TYPE RHW-2 2000VOLTS , TYPE USE-2 600V SINGLE COPPER CONDUCTOR, 90DEG C WET OR DRY

### CONSTRUCTION:

**CONDUCTOR** STRANDED SOFT DRAWN BARE COPPER.

**INSULATION** CROSSLINKED POLYETHYLENE (XLP).

Charlotte Wire Part#	Size AWG	Number of Strands*	Insulation Thickness (in.)	Approx. O.D. (in.)	Approx. Net Wt. (Lbs/Mft)
CW01675	18	7	.075"	.20"	17
CW01676	16	7	.075"	.21"	22
CW01677	14	7	.075"	.23"	33
CW01678	12	7	.075"	.25"	42
CW01679	10	7	.075"	.27"	59
CW01680	8	7	.085"	.32"	88
CW01681	6	7	.085"	.36"	125
CW01682	4	7	.085"	.41"	181
CW01683	3	7	.085"	.43"	215
CW01684	2	7	.085"	.47"	265
CW01685	1	19	.105"	.54"	348
CW01686	1/0	19	.105"	.58"	425
CW01687	2/0	19	.105"	.63"	515
CW01688	3/0	19	.105"	.68"	640
CW01689	4/0	19	.105"	.74"	780
CW01690	250MCM	37	.120"	.82"	940
CW01691	300MCM	37	.120"	.87"	1110
CW01692	350MCM	37	.120"	.92"	1270
CW01693	400MCM	37	.120"	.97"	1450
CW01694	500MCM	37	.120"	1.05"	1750
CW01695	600MCM	61	.135"	1.16"	2150
CW01696	750MCM	61	.135"	1.26"	2630
CW01697	1000MCM	61	.135"	1.40"	3400

\*To specify 19stranded conductor on sizes 14 through 8awg, add suffix "-19STR" to Charlotte Wire part number.

### APPLICATION:

For use in exposed outdoor locations in photovoltaic (PV) source circuits for PV module interconnections within the PV array up to 2000volts. Rated as sunlight resistant, direct burial, and 90Deg C wet or dry.

### STANDARDS:

UL 4703: Photovoltaic Wire.  
UL 44: Type RHW-2.  
UL 854: Type USE-2 90Deg C 600V for Direct Burial.  
NEC Article 690: PV wire.

### OPTIONAL CONSTRUCTION:

VW1 rating.