



*“Taking Care of Business”*

toll free: 800-929-9473

## 600VOLT PHOTOVOLTAIC WIRE PV WIRE 600VOLTS TYPE RHW-2 & USE-2 600VOLTS 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)
CW01651	18	7	.060"	.17"	14
CW01652	16	7	.060"	.18"	18
CW01653	14	7	.060"	.20"	25
CW01654	12	7	.060"	.22"	35
CW01655	10	7	.060"	.24"	49
CW01656	8	7	.075"	.30"	80
CW01657	6	7	.075"	.35"	112
CW01658	4	7	.075"	.39"	165
CW01659	3	7	.075"	.42"	200
CW01660	2	7	.075"	.46"	248
CW01661	1	19	.095"	.52"	320
CW01662	1/0	19	.095"	.57"	395
CW01663	2/0	19	.095"	.61"	483
CW01664	3/0	19	.095"	.66"	605
CW01665	4/0	19	.095"	.72"	720
CW01666	250MCM	37	.110"	.80"	895
CW01667	300MCM	37	.110"	.85"	1080
CW01668	350MCM	37	.110"	.90"	1230
CW01669	400MCM	37	.110"	.95"	1390
CW01670	500MCM	37	.110"	1.03"	1730
CW01671	600MCM	61	.110"	1.12"	2095
CW01672	750MCM	61	.110"	1.22"	2580
CW01673	1000MCM	61	.125"	1.38"	3320

\*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. 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.