



*“Taking Care of Business”*

toll free: 800-929-9473

## PVC 600VOLTS BUILDING WIRE TYPE THW SINGLE COPPER CONDUCTOR, 75DEG C WET/DRY

### CONSTRUCTION:

**CONDUCTOR** SOLID OR STRANDED ANNEALED BARE COPPER.

**INSULATION** POLYVINYL CHLORIDE (PVC)

Charlotte Wire Part#	Size AWG	Number of Strands	PVC Ins. Thickness (in.)	Ampacity 75C*	Approx O.D. (in.)	Approx. Net Wt. (Lbs/Mft)
CW01125	14	Solid	.030"	20**	.13"	19
CW01126	12	Solid	.030"	25**	.14"	28
CW01127	10	Solid	.030"	35**	.17"	41
CW01128	8	Solid	.045"	50	.22"	72
CW01129	6	Solid	.060"	65	.30"	108
CW01130	14	7	.030"	20**	.14"	19
CW01131	12	7	.030"	25**	.16"	29
CW01132	10	7	.030"	35**	.18"	42
CW01133	8	7	.045"	50	.24"	74
CW01134	6	7	.060"	65	.31"	110
CW01135	4	7	.060"	85	.35"	165
CW01136	3	7	.060"	100	.39"	210
CW01137	2	7	.060"	115	.43"	250
CW01138	1	19	.080"	130	.49"	326
CW01139	1/0	19	.080"	150	.54"	395
CW01140	2/0	19	.080"	175	.58"	490
CW01141	3/0	19	.080"	200	.64"	610
CW01142	4/0	19	.080"	230	.69"	756
CW01143	250MCM	37	.095"	255	.77"	905
CW01144	300MCM	37	.095"	285	.83"	1080
CW01145	350MCM	37	.095"	310	.87"	1250
CW01146	400MCM	37	.095"	335	.91"	1400
CW01147	500MCM	37	.095"	380	1.00"	1740
CW01148	600MCM	61	.110"	420	1.10"	2060
CW01149	750MCM	61	.110"	475	1.22"	2590
CW01150	1000MCM	61	.110"	545	1.36"	3370

\*Ampacity in accordance with NEC for not more than 3 conductors at 75Deg C conductor temperature and 30Deg C ambient temperature in wet or dry locations per NEC Table 310.15(B)(16) (formerly 310.16).

\*\*Overcurrent protection shall not exceed 15amps for 14AWG, 20amps for 12AWG, and 30amps for 10AWG.

### APPLICATION:

General purpose building wire up to 600Volts with conductor temperatures of 75Deg C maximum in wet or dry locations.

### STANDARDS:

**UL 83:** Type THW.

### OPTIONAL CONSTRUCTIONS:

VW1 & CT Use: sizes 1/0 and larger.