



600VOLT ALUMINUM BUILDING WIRE TYPE THHN/THWN-2 90DEG C WET OR DRY SINGLE ALUMINUM CONDUCTOR

CONSTRUCTION:

CONDUCTOR COMPACT STRANDED 8000 SERIES ALUMINUM ALLOY.

INSULATION/JACKET POLYVINYL CHLORIDE (PVC) WITH NYLON JACKET.

Charlotte Wire Part#	Size AWG	Number of Strands	Insulation Thickness (in.)	Nylon Jkt Thickness (in.)	Ampacity 90Deg C*	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW01270	8	7	.030"	.005"	45	.21"	28
CW01271	6	7	.030"	.005"	55	.24"	39
CW01272	4	7	.040"	.006"	75	.31"	63
CW01273	2	7	.040"	.006"	100	.36"	90
CW01274	1	18	.050"	.007"	115	.42"	118
CW01275	1/0	18	.057"	.007"	135	.46"	142
CW01276	2/0	18	.057"	.007"	150	.50"	173
CW01277	3/0	18	.057"	.007"	175	.54"	210
CW01278	4/0	18	.057"	.007"	205	.59"	258
CW01279	250MCM	22	.068"	.008"	230	.66"	315
CW01280	300MCM	35	.068"	.008"	260	.71"	365
CW01281	350MCM	35	.068"	.008"	280	.76"	420
CW01282	400MCM	35	.068"	.008"	305	.80"	472
CW01283	500MCM	35	.068"	.008"	350	.88"	577
CW01284	600MCM	58	.079"	.009"	385	.98"	705
CW01285	700MCM	58	.079"	.009"	425	1.04"	805
CW01286	750MCM	58	.079"	.009"	435	1.07"	857
CW01287	900MCM	58	.079"	.009"	480	1.14"	1015
CW01288	1000MCM	58	.079"	.009"	500	1.22"	1120

*Ampacity in accordance with NEC for not more than 3 conductors at 90Deg C conductor temperature and 30Deg C ambient temperature in wet or dry locations per Table 310.15(B)(16). (formerly 310.16)

APPLICATION:

General purpose building wire up to 600Volts with conductor temperatures of 90Deg C maximum in wet or dry locations.

STANDARDS:

UL83: Type THHN and THWN.
NEC Article 392: CT Use (Sizes 1/0 and larger).
RoHS Compliant.