



**PVC/NYLON 600VOLTS BUILDING WIRE  
TYPE THHN/THWN  
SINGLE COPPER CONDUCTOR, 90DEG C DRY/75C WET**

**CONSTRUCTION:**

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

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

Charlotte Wire Part#	Size AWG	Number of Strands	PVC Ins. Thickness (in.)	Nylon Jkt Thickness (in.)	Ampacity		Approx. O.D. (in.)	Approx. Net Wt. (Lbs/Mft)
					THWN 75C*	THHN 90C**		
CW01101	14	Solid	.015"	.004"	15	15	.11"	16
CW01102	12	Solid	.015"	.004"	20	20	.12"	24
CW01103	10	Solid	.020"	.004"	30	30	.15"	38
CW01104	14	19	.015"	.004"	15	15	.11"	17
CW01105	12	19	.015"	.004"	20	20	.13"	25
CW01106	10	19	.020"	.004"	30	30	.17"	39
CW01107	8	19	.030"	.005"	50	55	.22"	65
CW01108	6	19	.030"	.005"	65	75	.26"	99
CW01109	4	19	.040"	.006"	85	95	.33"	157
CW01110	3	19	.040"	.006"	100	110	.35"	193
CW01111	2	19	.040"	.006"	115	130	.39"	239
CW01112	1	19	.050"	.007"	130	150	.44"	302
CW01113	1/0	19	.050"	.007"	150	170	.48"	375
CW01114	2/0	19	.050"	.007"	175	195	.53"	464
CW01115	3/0	19	.050"	.007"	200	225	.58"	580
CW01116	4/0	19	.050"	.007"	230	260	.64"	720
CW01117	250MCM	37	.060"	.008"	255	290	.71"	860
CW01118	300MCM	37	.060"	.008"	285	320	.76"	1015
CW01119	350MCM	37	.060"	.008"	310	350	.81"	1170
CW01120	400MCM	37	.060"	.008"	335	380	.86"	1344
CW01121	500MCM	37	.060"	.008"	380	430	.94"	1650
CW01122	600MCM	61	.070"	.009"	420	475	1.04"	1998
CW01123	750MCM	61	.070"	.009"	475	535	1.15"	2495
CW01124	1000MCM	61	.070"	.009"	545	615	1.32"	3320

\*Ampacity in accordance with NEC for not more than 3 conductors at 75Deg C conductor temp. and 30C ambient temp. in wet or dry locations per NEC Table 310.15(B)(16) Note: Sizes 14-10AWG ampacity values reflect adjustment for overcurrent protection per NEC 240.3.

\*\*Ampacity in accordance with NEC for not more than conductors at 90Deg C conductor temperature and 30Deg C ambient temperature in dry locations per NEC Table 310.15(B)(16). Note: Sizes 14-10AWG ampacity values reflect adjustment for overcurrent protection per NEC 240.3.

**APPLICATION:**

General purpose building wire up to 600Volts with conductor temperatures of 90Deg C maximum in dry locations (THHN), and 75Deg C maximum in wet or dry locations (THWN).

**OPTIONAL CONSTRUCTIONS**

Striped Conductors.

THWN-2 rating: 90Deg C Wet or Dry.

**STANDARDS:**

UL 83: Type THHN, THWN, Gasoline and Oil Resistant.

UL 1063: Type MTW (stranded).

UL 758: Type AWM (105Deg C).

NEC Article 392: CT Use (Sizes 1/0 AWG and larger).