GENERAL COPPER WIRE

TYPE	OIL	WET	DRY	VOLTAGE
THHN-THWN	75°C	75°C	90°C	600V
THWN-2	75°C	90°C	90°C	600V
MTW	60°C	60°C	90°C	600V
AWM 1316 to 1321	80°C	-	105°C	600V
AWM 1408 to 1414	60°C	60°C	90°C	600V**
AWM 1452 to 1453 *	80°C	-	90°C	100V
T90 NYLON	60°C	-	90°C	600V
TWN 75	-	75°C	-	600V

* 14-10 AWG only

** 14-10 AWG only 2500 volts peak for electronic use only

THWN / THHN / MTW



SIZE (AWG OR KCMIL)	NO. STRANDS	PVC INSUL. THICK (INCHES)	NYLON JACKET THICK. (INCHES)	APPROX. OUTSIDE DIAMETER (INCHES)	AMPACITY			APPROX. WEIGHT 1000 FT. (LBS)
					THWN. 75°C	THHN. 90°C	MTW. 60°C	
14	Solid	0.015	0.004	0.104	15	15	-	16
12	Solid	0.015	0.004	0.121	20	20	-	24
10	Solid	0.020	0.004	0.152	30	30	-	38
14	19	0.015	0.004	0.112	15	15	15	17
12	19	0.015	0.004	0.131	20	20	20	26
10	19	0.020	0.004	0.164	30	30	30	40
8	19	0.030	0.005	0.216	50	55	40	66
6	19	0.030	0.005	0.253	65	75	55	100
4	19	0.040	0.006	0.322	85	95	70	159
3	19	0.040	0.006	0.350	100	110	85	191
2	19	0.040	0.006	0.381	115	130	95	241
1	19	0.040	0.007	0.443	130	150	110	305
1/0	19	0.050	0.007	0.483	150	170	125	377
2/0	19	0.050	0.007	0.528	175	195	145	468
3/0	19	0.050	0.007	0.579	200	225	165	581
4/0	19	0.050	0.007	0.636	230	260	195	722
250	37	0.060	0.008	0.704	255	290	215	860
300	37	0.060	0.008	0.758	285	320	240	1018
350	37	0.060	0.008	0.808	310	350	260	1180
400	37	0.060	0.008	0.855	335	380	280	1342
500	37	0.060	0.008	0.938	380	430	320	1661
600	61	0.070	0.009	1.039	420	475	355	2007
750	61	0.070	0.009	1.143	475	535	400	2497

NOTES:

* Allowable ampacity of not more than three conductors in raceway or cable based on ambient temperatures of 30°C (86°F), per Table 310.16 on 2008 . National Electrical Code (NFPA 70 2008).

* Allowable ampacity of Type MTW conductors 60°C wet or dry in cable or raceway per Table 12.5.1 of the Electrical Standard for Industrial Machinery, NFPA 79-2008 (ANSI).