SINGLE CONDUCTOR

- ***Type THHN/THWN-2***
- ***PVC/Nylon***
- ***600V***

PRODUCT CONSTRUCTION

Conductor: 14AWG through 750 kcmil bare, annealed, stranded copper per ASTM B3 and ASTM B8; plain copper per ASTM B3
Insulation: Moisture- and heat resistant, flame-retardant, Polyvinyl Chloride. Color coded.

APPLICATIONS

Suitable for use in conduit or other recognized raceways for services, feeders and branch circuit wiring. THHN conductor suitable for use in dry locations not to exceed 90°C.; THWN-2 conductor suitable for use in wet or dry locations not to exceed 90°C. For MTW applications, appropriate for use in dry locations at 90°C or not to exceed 60°C in wet locations or where exposed to oil or coolants (see NFPA 79 Electrical Standards for Industrial Machinery).

FEATURES

Rated Gasoline- and Oil-resistant II. Resistant to water, acids, alkalines, abrasions and ozone.

COMPLIANCES

Industry: ASTM B3, B8 and B787, UL 83, UL 1063 for machine tool wire (MTW)
Other: NEMA WC70/ICEA S-95-658. C(UL) US T90 nylon. RoHS Compliant

USAWC Part #	Size (AWG or kcmil)	No. of Strands	Thickness in Mils PVC Insulation	Thickness in Mils Nylon Jacket	Nominal OD (Inches)	Approx. Weight (lbs./1000 ft.) Copper	Approx. Weight (lbs./1000 ft.) Net	Ampacity* 75 C	Ampacity* 90 C
Type THHN/THWN-2 90°C Wet or Dry Locations									
USA8-01THHN	8	19	30	5	.212	51	62	50	55
USA6-01THHN	6	19	30	5	.248	81	94	65	75
USA4-01THHN	4	19	40	6	.317	129	153	85	95
USA3-01THHN	3	19	40	6	.344	163	189	100	115
USA2-01THHN	2	19	40	6	.375	205	233	115	130
USA1-01THHN	1	19	50	7	.435	258	298	130	145
USA1/0-01THHN	1/0	19	50	7	.474	326	372	150	170
USA2/0-01THHN	2/0	19	50	7	.518	411	462	175	195
USA3/0-01THHN	3/0	19	50	7	.568	518	572	200	225
USA4/0-01THHN	4/0	19	50	7	.624	653	712	230	260
USA250-01THHN	250	37	60	8	.678	772	849	255	290
USA300-01THHN	300	37	60	8	.730	926	1010	285	320
USA350-01THHN	350	37	60	8	.777	1081	1170	320	350
USA400-01THHN	400	37	60	8	.821	1235	1330	335	380
USA500-01THHN	500	37	60	8	.902	1544	1650	380	430
USA600-01THHN	600	61	70	9	1.051	1853	2019	420	475
USA750-01THHN	750	61	70	9	1.156	2316	2466	475	535

*Temperature, size and ampacity per National Electric Code, 2011 NEC sections 110.14(c)(1)(a) and (b).
60°C – When terminated to equipment for circuits rated 100 amperes or less or marked for 14 through 1 AWG conductors.
75°C – When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG.
90°C – Wet or dry locations. For ampacity derating purposes.
Dwelling - For dwelling uinits, conductors shall be permitted as listed ampacities or marked for conductors larger than 1 AWG.
NOTE: Data shown is approximate and subject to standard industry tolerances.