



- ① No Lube Nylon Jacket
- ② PVC Insulation
- ③ Stranded Copper Conductor



CONSTRUCTION

- » Conductors: Solid bare copper conductors per ASTM B3 and stranded bare conductors per ASTM B8 and ASTM B787.
- » Insulation and Jacket: Color-coded PVC insulation, heat and moisture resistant, flame retardant per UL-83 and UL-1063 with a nylon jacket per UL-83 and UL-1063 made with a friction reducing jacket to aid in the installation process.

APPLICATIONS

Type THHN or THWN-2 conductors are primarily used in conduit and cable trays for services, feeders, and branch circuits in commercial and industrial applications as specified in the National Electrical Code and has a 600V rating. Allowable temperatures are as follows:

- THHN/THWN-2 - wet or dry locations not to exceed 90C or not to exceed 75C in oil or coolants.
- MTW - dry locations at 90C or not to exceed 60C in wet locations where exposed to oils or coolants.
- AWM - dry locations not to exceed 105C only when rated and used as appliance wiring material.

SPECIFICATIONS

- » ASTM B3, B8, B787
- » UL 83, UL 758, UL 1581, UL 1685, UL 2556
- » AWM spec 1316, 1317, 1318, 1319, 1320, 1321
- » Federal Specification A-A-59544
- » All sizes UL VW-1 Flame test, FT-1, UL 1685 FT4
- » RoHS compliant
- » UL Listing #E83039
- » All sizes rated gasoline and oil resistant II and are sunlight resistant
- » CT rated sizes 1/0 and larger, IEEE 1202 FT4
- » ARRA 2009 Section 1605 "Buy American" compliant
- » CSA C22.2 No. 75 Thermoplastic Insulated Wire & Cables
- » ICEA s-95 (NEMA WC70) power cable rates 2000 volts or less for the distribution of electrical energy
- » MasterSpec Division 26 Section 260519

Conductor		Dimensions			Ampacity				
Size (AWG)	Stranding	PVC Insulation (in.)	Nylon Jacket	Nominal O.D.	60°	75°	90°	Approx Net WT/MFT	Standard Packaging (ft)
*14	Solid	.015	.004	.102	15	15	25	16	2000' carton (4 x 500') 2500' reels
*12	Solid	.015	.004	.119	20	20	30	24	2000' carton (4 x 500') 2500' reels
*10	Solid	.020	.004	.150	30	30	40	37	1000' carton (2 x 500') 2500' reels
14	19	.015	.004	.112	15	20	25	16	2000' carton (4 x 500') 2500' reels
12	19	.015	.004	.131	20	25	30	24	2000' carton (4 x 500') 2500' reels
10	19	.020	.004	.165	30	35	40	37	1000' carton (2 x 500') 2500' reels
8	19	.030	.005	.218	40	50	55	64	500'; 1000'; 2500'; 5000' reels
6	19	.030	.005	.256	55	65	75	96	500'; 1000'; 2500'; 5000' reels
4	19	.040	.006	.325	70	85	95	155	500'; 1000'; 2500'; 5000' reels
3	19	.040	.006	.346	85	100	115	188	500'; 1000'; 2500'; 5000' reels
2	19	.040	.006	.388	95	115	130	235	500'; 1000'; 2500'; 5000' reels
1	19	.050	.007	.437	110	130	145	300	500'; 1000'; 2500'; 5000' reels
1/0	19	.050	.007	.477	125	150	170	370	500'; 1000'; 2500'; 5000' reels
2/0	19	.050	.007	.521	145	175	195	465	500'; 1000'; 2500'; 5000' reels
3/0	19	.050	.007	.571	165	200	225	570	500'; 1000'; 2500'; 5000' reels
4/0	19	.050	.007	.627	195	230	260	720	500'; 1000'; 2500'; 5000' reels
250 MCM	37	.060	.008	.711	215	255	290	850	500'; 1000'; 2500'; 5000' reels
300 MCM	37	.060	.008	.766	240	285	320	1011	500'; 1000'; 2500' reels
350 MCM	37	.060	.008	.817	260	310	350	1172	500'; 1000'; 2500' reels
400 MCM	37	.060	.008	.864	280	335	380	1333	500'; 1000'; 2500' reels
500 MCM	37	.060	.008	.949	320	380	430	1653	500'; 1000'; 2500' reels
600 MCM	61	.070	.009	1.050	350	420	475	1985	500'; 1000'; 2000' reels
750 MCM	61	.070	.009	1.126	400	475	535	2462	500'; 1000' reels

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