



ABL ELECTRONIC SUPPLIES, INC.

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**SINGLE CONDUCTOR PVC-NYLON INSULATED**

**UL STYLE TFFN/MTW, THHN/THWN, Passes UL VW-1 flame test**

**PRODUCT DESCRIPTION:**

Fully annealed stranded bare copper general purpose building wire, semi-rigid PVC insulated with polyamide nylon jacket. For internal wiring of fixtures, conduit and tubing raceways.

**UL Listings**

- THHN-600V, 90°C dry building wire
- THWN-600V, 75°C wet and dry building wire
- MTW-600V, 90°C machine tool wire
- AWM-600V, 105°C appliance wire
- Gasoline and oil resistant
- NOTE: 18 and 16 AWG listed as TFFN

These products can be cut, stripped and terminated to your specifications

**STRANDED**

ABLE Part No.	Conductor		Insulation Thickness				Outside Diam		UL Style	STOCK COLOR
			PVC	Nylon		IN.	MM.	IN.		
AWG	STRAND	IN.	MM.	IN.	MM.	IN.	MM.			
180018	18	19	0.015	0.038	0.004	0.100	0.091	2.31	TFFN,MTW	0-11
180016	16	19	0.015	0.038	0.004	0.100	0.103	2.61	TFFN,MTW	0-12
180014	14	+19	0.015	0.038	0.004	0.100	0.115	2.92	THHN,THWN	0-13
180012	12	+19	0.015	0.038	0.004	0.100	0.135	3.43	THHN,THWN	0-14
180010	10	+19	0.020	0.051	0.004	0.100	0.170	4.32	THHN,THWN	0-15
180008	8	+19	0.030	0.076	0.005	0.130	0.220	5.59	THHN,THWN	0-5,8,9,11
180006	6	+19	0.030	0.076	0.005	0.130	0.280	6.60	THHN,THWN	0-5,8,9,11
180004	4	+19	0.040	1.01	0.006	0.130	0.335	8.51	THHN,THWN	0-5,8,9,11
180003	3	19	0.040	1.01	0.006	0.130	0.300	9.14	THHN,THWN	0-5,8,9,11
180002	2	19	0.040	1.01	0.006	0.180	0.395	10.03	THHN,THWN	0-5,8,9,11
180001	1	19	0.050	1.27	0.007	0.190	0.450	11.43	THHN,THWN	0-5,8,9,11
180100	1/0	19	0.050	1.27	0.007	0.180	0.490	12.45	THHN,THWN	0
180200	2/0	19	0.050	1.27	0.007	0.180	0.535	13.59	THHN,THWN	0
180300	3/0	19	0.050	1.27	0.007	0.180	0.585	14.86	THHN,THWN	0
180400	4/0	19	0.050	1.27	0.007	0.180	0.640	16.25	THHN,THWN	0
182500	250	37	0.060	1.52	0.008	0.200	0.710	18.03	THHN,THWN	0
183000	300	37	0.060	1.52	0.007	0.200	0.760	19.30	THHN,THWN	0
183500	350	37	0.080	1.52	0.007	0.200	0.910	20.57	THHN,THWN	0

184000	400	37	0.060	1.52	0.007	0.200	0.855	21.71	THHN,THWN	0
185000	500	37	0.060	1.52	0.007	0.200	0.940	23.87	THHN,THWN	0
186000	600	61	0.070	1.78	0.009	0.230	1.040	26.42	THHN,THWN	0
187500	750	61	0.070	1.78	0.009	0.230	1.140	28.96	THHN,THWN	0
189999	1000	61	0.070	1.79	0.009	0.230	1.350	34.29	THHN,THWN	0

+Also available with solid conductor.

**\*Stock Colors:** 0-black, 1-brown, 2-red, 3-orange, 4-yellow, 5-green, 6-blue, 7-violet, 8-gray, 9-white, 10-pink, 11-green/yellow.