



**TANO**

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**河南泰诺电缆有限公司**

HENAN TANO CABLE CO.,LTD.



# BUILDING WIRE to ASTM STANDARD



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Henan Tano Cable Co., Ltd.( Tano Cable for short), is a leading and professional manufacturer of cable and wire with more than 20 years' history and manufacturing experience, located in Zhengzhou city which is the capital of Henan province, China.

Tano Cable aims at providing integral power solution for international customers. We are working together as one company to provide products and technologies for building, maintaining and advancing the power and information infrastructures that connect the world. We mainly have the following products with strong competitiveness: All Aluminum Conductors (AAC), All Aluminum Alloy Conductors (AAAC), Aluminum Conductors Steel Reinforcement (ACSR) , Aerial Bundled Cables (ABC), building wire, welding cable, control cable, instrument cable, rubber cable, PVC insulated power cable, XLPE insulated power cable up to 500KV, customer-tailored cable and cable accessories, conforming to many different Country or international standard, such as IEC, HAR, BS, DIN, ICEA, ASTM, SABS, AS/NZS, JIS and so on.

Tano Cable pays great importance on the quality. We have strong teams and equipments for both production and inspection. Moreover, we have been awarded many certificates of ISO, CE, SONCAP, others from China and abroad. We keep improving our quality management system to meet the client's final satisfaction.

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Tano Cable has provided services to the global clients who working in all areas of the energy, construction, industrial, specialty and communications market, and obtained the client's trust and compliment.

Welcome your any inquiry! Welcome your any visit! Welcome your any contact! We will take our biggest sincerity to be your long-term friend and partner.





350	37	0.06	1.52	0.008	0.2	0.79	20.07	1191	1772
400	37	0.06	1.52	0.008	0.2	0.85	21.59	1345	2001
500	37	0.06	1.52	0.008	0.2	0.94	23.88	1668	2482
600	61	0.07	1.78	0.009	0.23	1.1	27.94	1994	2967
750	61	0.07	1.78	0.009	0.23	1.16	29.46	2465	3668

## Building Wire THW/THW-2 to ASTM Standard

### APPLICATION

The THW conductor is suitable for most current wiring solutions for residential, commercial and industrial environments. It is used in service entrance, feeders and branch circuits for permanent installations. THW conductors in sizes 14 AWG to 1000 Kcmil (MCM) can be installed in conduits and other raceways. The temperature of installation shall not exceed 75°C (THW), not exceed 90°C (THW-2).

### STANDARD

ASTM: B3, B8.

UL 83 - Thermoplastic-Insulated Wires and Cables

UL 1581 - Electrical Wires, Cables and Flexible Cords



### CONSTRUCTION



**Conductor:** Bare annealed copper conductor, solid or stranded

**Insulation:** PVC 75°C insulation

**Color:** upon request, black is preferable

## CONSTRUCTION PARAMETER

AWG or Inch/mm	Strand	Nominal Insulation Thickness		Nominal Overall Diameter		Cable Weight	
		Inch	mm	Lbs/ft	kg/km	Lbs/ft	kg/km
14	1	0.03	0.76	0.169	4.3	22	33
12	1	0.03	0.76	0.189	4.8	32	47
10	1	0.03	0.76	0.213	5.4	46	68
8	1	0.045	1.14	0.24	6.1	67	100
6	1	0.06	1.52	0.276	7	101	151
14	7	0.03	0.76	0.177	4.5	24	36
12	7	0.03	0.76	0.201	5.1	34	50
10	7	0.03	0.76	0.228	5.8	49	73
8	7	0.045	1.14	0.291	7.4	79	118
6	7	0.06	1.52	0.335	8.5	117	174
4	7	0.06	1.52	0.386	9.8	172	256
2	7	0.08	2.03	0.445	11.3	263	391
1	19	0.08	2.03	0.531	13.5	339	505
1/0	19	0.08	2.03	0.575	14.6	418	622
2/0	19	0.08	2.03	0.622	15.8	515	767
3/0	19	0.08	2.03	0.677	17.2	638	950
4/0	37	0.08	2.03	0.74	18.8	792	1179
250	37	0.095	2.41	0.823	20.9	943	1404
300	37	0.095	2.41	0.882	22.4	1118	1664
350	37	0.095	2.41	0.937	23.8	1292	1923
400	37	0.095	2.41	0.984	25	1465	2180
500	61	0.095	2.41	1.079	27.4	1810	2694
600	61	0.11	2.79	1.197	30.4	2178	3241
700	61	0.11	2.79	1.272	32.3	2521	3751
750	61	0.11	2.79	1.307	33.2	2693	4007
800	61	0.11	2.79	1.343	34.1	2863	4260
900	61	0.11	2.79	1.409	35.8	3205	4769
1000	61	0.11	2.79	1.472	37.4	3538	5265

## Building Wire TW to ASTM Standard

### APPLICATION

The TW conductor is suitable for most current wiring solutions for residential, commercial and industrial environments. It is used in branch circuits for permanent installations. TW conductors in sizes 14 AWG to 8 AWG can be installed in conduits and other raceways. The temperature of installation shall not exceed 60°C.



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