



**TANO**

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**河南泰诺电缆有限公司**

HENAN TANO CABLE CO.,LTD.



# BUILDING WIRE to DIN 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.





AWG	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight
	No. xmm <sup>2</sup>	mm	mm	kg/km	kg/km
<b>H05V-R</b>					
20(7/29)	1 x 0.5	0.6	2.2	4.8	9
18(7/27)	1 x 0.75	0.6	2.4	7.2	12
17(7/26)	1x1	0.6	2.6	9.6	15
<b>H07V-R</b>					
16(7/24)	1 x 1.5	0.7	3	14.4	23
14(7/22)	1 x 2.5	0.8	3.6	24	35
12(7/20)	1x4	0.8	4.2	39	51
10(7/18)	1x6	0.8	4.7	58	71
8(7/16)	1 x 10	1	6.1	96	120
6(7/14)	1 x 16	1	7.2	154	170
4(7/12)	1 x 25	1.2	8.4	240	260
2(7/10)	1 x 35	1.2	9.5	336	350
1(19/13)	1 x 50	1.4	11.3	480	480
2/0(19/11)	1 x 70	1.4	12.6	672	680
3/0(19/10)	1 x 95	1.6	14.7	912	930
4/0(37/12)	1 x 120	1.6	16.2	1152	1160
300MCM(37/11)	1 x 150	1.8	18.1	1440	1430
350MCM(37/10)	1 x 185	2.0	20.2	1776	1780
500MCM(61/11)	1 x 240	2.2	22.9	2304	2360
	1 x 300	2.4	24.5		2940
	1 x 400	2.6	27.5		3740

## Building Wire H05V-U / H07V-U to DIN Standard

### APPLICATION

#### H05 V-U/(H)05 V-U

These insulated wires are determined for the installation to the inside of apparatus as well as for the protective laying to the lightings, in dry rooms, in production facilities, switch and distributor boards, in tubes, under and surface mounting of plasters.

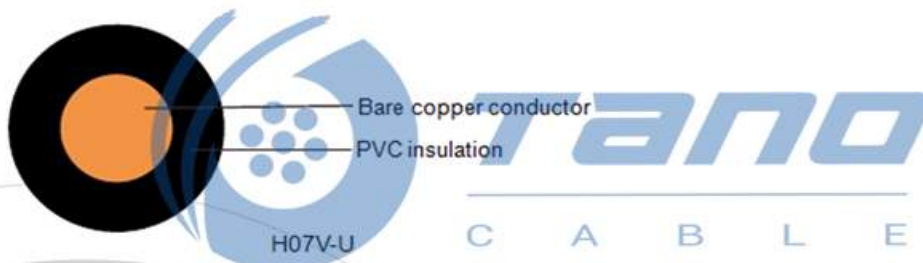
#### H07 V-U/(H)07 V-U

These insulated wires are suitable for laying tubes, under and surface mounting of plasters and also in closed installation conduits. These are not allowed to install for direct laying in cable trays, channels or tanks. These types are permitted for the inner wiring of equipment, distributor and switchboards and also for protective laying to the lightings with a nominal voltage up to 1000 V alternating current or up to 750 V direct current against ground.

## STANDARD

<HAR> HD 21.3 S3, VDE-0281 Part-3, CEI20-20/3, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant.

## CONSTRUCTION



- Solid bare copper single wire
- Solid to DIN VDE 0295 cl-1 and IEC 60228 cl-1
- Special PVC TI1 core insulation
- Cores to VDE-0293 colors on chart
- H05V-U (20, 18 & 17 AWG)
- H07V-U (16 AWG and Larger)

## TECHNICAL CHARACTERISTICS

**Working voltage:** 300/500v (H05V-U)

**Working voltage:** 450/750v (H07V-U)

**Test voltage:** 2000V(H05V-U)/2500V (H07V-U)

**Flexing bending radius:** 15 x Ø

**Static bending radius:** 15 x Ø

**Flexing temperature:** -5° C to +70° C

**Static temperature:** -30° C to +90° C

**Short circuit temperature:** +160° C

**Flame retardant:** IEC 60332.1

**Insulation resistance:** 10 MΩ x km

## CONSTRUCTION PARAMETER

AWG	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight
	No. x mm <sup>2</sup>	mm	mm	kg/km	kg/km
20	1 x 0.5	0.6	2.1	4.8	9
18	1 x 0.75	0.6	2.2	7.2	11
17	1x1	0.6	2.4	9.6	14
16	1x1.5	0.7	2.9	14.4	21
14	1x2.5	0.8	3.5	24	33
12	1x4	0.8	3.9	38	49
10	1x6	0.8	4.5	58	69
8	1 x 10	1	5.7	96	115

## Building Wire H07V-K to DIN Standard

### APPLICATION

These are not suitable to be installed for laying in tubes, under and surface mounting of plaster and also in closed installation conduits. These are not allowed to install for direct laying on cable trays, channel or tanks. These types are permitted for the inner wiring of equipment, distributor and switchboards and also for protective laying to the lightings with a nominal voltage up to 1000 V alternating current or up to 750 V direct current against earth.



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