



**TANO**

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**河南泰诺电缆有限公司**

HENAN TANO CABLE CO.,LTD.



# CONTROL CABLE TO IEC 60502 STANDARD



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.

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.







No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
30	0.5	7/0.30	0.8	1.8	22	36	0.0162	540	500/D
	0.75	7/0.37	0.8	1.8	23	24.5	0.0142	665	500/D
	1	7/0.40	0.8	1.8	24	18.1	0.0135	725	500/D
	1.5	7/0.50	0.8	1.8	26	12.1	0.0115	940	500/D
	2.5	7/0.67	0.8	1.8	30	7.41	0.0093	1395	500/D
	4	7/0.85	1	2	37	4.61	0.0092	2180	500/D
	6	7/1.04	1	2.2	41.5	3.08	0.0078	2990	500/D

## Control Cable 0.6/1 kV CVV-S to IEC 60502 Standard (2-15 core)

### APPLICATION

For supervisory electrical equipment, station control circuits, outdoor, suitable installation in dry or wet cable trenches.



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### CONSTRUCTION

**Conductor:** Concentric Stranded copper wire

**Insulation:** PVC Black color

**Identification:** Printed White number on the surface of Black insulation

**Filler:** Suitable filler

**Binding tape:** Suitable tape

**Inner sheath:** PVC Black color

**Shield:** Annealed copper tape

**Binding tape:** Suitable tape

**Outer Sheath:** PVC Black color

### CONSTRUCTION PARAMETER

2 Core CVV-S Control Cable



No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
2	0.5	7/0.30	0.8	1	1.8	12.5	36	0.0162	180	500/D
	0.75	7/0.37	0.8	1	1.8	13	24.5	0.0142	195	500/D
	1	7/0.40	0.8	1	1.8	13	18.1	0.0135	205	500/D
	1.5	7/0.50	0.8	1	1.8	14	12.1	0.0115	230	500/D
	2.5	7/0.67	0.8	1	1.8	15	7.41	0.0093	280	500/D
	4	7/0.85	1	1	1.8	17	4.61	0.0092	375	500/D
6	7/1.04	1	1	1.8	18.5	3.08	0.0078	450	500/D	

### 3 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
3	0.5	7/0.30	0.8	1	1.8	13	36	0.0162	195	500/D
	0.75	7/0.37	0.8	1	1.8	13.5	24.5	0.0142	215	500/D
	1	7/0.40	0.8	1	1.8	13.5	18.1	0.0135	225	500/D
	1.5	7/0.50	0.8	1	1.8	14.5	12.1	0.0115	260	500/D
	2.5	7/0.67	0.8	1	1.8	15.5	7.41	0.0093	325	500/D
	4	7/0.85	1	1	1.8	18	4.61	0.0092	445	500/D
	6	7/1.04	1	1	1.8	19	3.08	0.0078	545	500/D

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### 4 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
4	0.5	7/0.30	0.8	1	1.8	13.5	36	0.0162	220	500/D
	0.75	7/0.37	0.8	1	1.8	14	24.5	0.0142	245	500/D
	1	7/0.40	0.8	1	1.8	14.5	18.1	0.0135	260	500/D
	1.5	7/0.50	0.8	1	1.8	15.5	12.1	0.0115	300	500/D
	2.5	7/0.67	0.8	1	1.8	16.5	7.41	0.0093	385	500/D
	4	7/0.85	1	1	1.8	19	4.61	0.0092	530	500/D
	6	7/1.04	1	1	1.8	20.5	3.08	0.0078	660	500/D

### 5 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
5	0.5	7/0.30	0.8	1	1.8	14.5	36	0.0162	250	500/D
	0.75	7/0.37	0.8	1	1.8	15	24.5	0.0142	280	500/D
	1	7/0.40	0.8	1	1.8	15.5	18.1	0.0135	295	500/D
	1.5	7/0.50	0.8	1	1.8	16.5	12.1	0.0115	345	500/D
	2.5	7/0.67	0.8	1	1.8	18	7.41	0.0093	445	500/D
	4	7/0.85	1	1	1.8	20.5	4.61	0.0092	620	500/D
6	7/1.04	1	1	1.8	22.5	3.08	0.0078	780	500/D	

### 6 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
6	0.5	7/0.30	0.8	1	1.8	15.5	36	0.0162	270	500/D
	0.75	7/0.37	0.8	1	1.8	16	24.5	0.0142	305	500/D
	1	7/0.40	0.8	1	1.8	16.5	18.1	0.0135	320	500/D
	1.5	7/0.50	0.8	1	1.8	17.5	12.1	0.0115	375	500/D
	2.5	7/0.67	0.8	1	1.8	19	7.41	0.0093	290	500/D
	4	7/0.85	1	1	1.8	22	4.61	0.0092	685	500/D
6	7/1.04	1	1	1.8	24	3.08	0.0078	865	500/D	

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### 7 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
7	0.5	7/0.30	0.8	1	1.8	15.5	36	0.0162	275	500/D
	0.75	7/0.37	0.8	1	1.8	16	24.5	0.0142	315	500/D
	1	7/0.40	0.8	1	1.8	16.5	18.1	0.0135	330	500/D
	1.5	7/0.50	0.8	1	1.8	17.5	12.1	0.0115	395	500/D
	2.5	7/0.67	0.8	1	1.8	19	7.41	0.0093	520	500/D
	4	7/0.85	1	1	1.8	22	4.61	0.0092	730	500/D
6	7/1.04	1	1	1.8	24	3.08	0.0078	930	500/D	

### 8 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
8	0.5	7/0.30	0.8	1	1.8	16	36	0.0162	310	500/D
	0.75	7/0.37	0.8	1	1.8	17	24.5	0.0142	360	500/D
	1	7/0.40	0.8	1	1.8	17	18.1	0.0135	370	500/D
	1.5	7/0.50	0.8	1	1.8	18.5	12.1	0.0115	445	500/D
	2.5	7/0.67	0.8	1	1.8	20	7.41	0.0093	590	500/D
	4	7/0.85	1	1	1.8	23.5	4.61	0.0092	835	500/D
6	7/1.04	1	1	1.8	25.5	3.08	0.0078	1070	500/D	

### 9 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
9	0.5	7/0.30	0.8	1	1.8	17	36	0.0162	340	500/D
	0.75	7/0.37	0.8	1	1.8	18	24.5	0.0142	390	500/D
	1	7/0.40	0.8	1	1.8	18	18.1	0.0135	415	500/D
	1.5	7/0.50	0.8	1	1.8	19.5	12.1	0.0115	495	500/D
	2.5	7/0.67	0.8	1	1.8	21.5	7.41	0.0093	660	500/D
	4	7/0.85	1	1	1.8	25	4.61	0.0092	945	500/D
	6	7/1.04	1	1	1.8	27.5	3.08	0.0078	1215	500/D

### 10 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
10	0.5	7/0.30	0.8	1	1.8	18	36	0.0162	370	500/D
	0.75	7/0.37	0.8	1	1.8	19	24.5	0.0142	425	500/D
	1	7/0.40	0.8	1	1.8	19.5	18.1	0.0135	445	500/D
	1.5	7/0.50	0.8	1	1.8	20.5	12.1	0.0115	540	500/D
	2.5	7/0.67	0.8	1	1.8	23	7.41	0.0093	720	500/D
	4	7/0.85	1	1	1.8	27	4.61	0.0092	1030	500/D
6	7/1.04	1	1	1.8	29.5	3.08	0.0078	1325	500/D	

### 11 Core CVV-S Control Cable



No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
11	0.5	7/0.30	0.8	1	1.8	18.5	36	0.0162	395	500/D
	0.75	7/0.37	0.8	1	1.8	19.5	24.5	0.0142	455	500/D
	1	7/0.40	0.8	1	1.8	20	18.1	0.0135	480	500/D
	1.5	7/0.50	0.8	1	1.8	21	12.1	0.0115	580	500/D
	2.5	7/0.67	0.8	1	1.8	23.5	7.41	0.0093	780	500/D
	4	7/0.85	1	1	1.8	28	4.61	0.0092	1125	500/D
	6	7/1.04	1	1	1.8	30.5	3.08	0.0078	1450	500/D

### 12 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
12	0.5	7/0.30	0.8	1	1.8	18.5	36	0.0162	400	500/D
	0.75	7/0.37	0.8	1	1.8	19.5	24.5	0.0142	460	500/D
	1	7/0.40	0.8	1	1.8	20	18.1	0.0135	490	500/D
	1.5	7/0.50	0.8	1	1.8	21	12.1	0.0115	595	500/D
	2.5	7/0.67	0.8	1	1.8	23.5	7.41	0.0093	805	500/D
	4	7/0.85	1	1	1.8	28	4.61	0.0092	1160	500/D
	6	7/1.04	1	1	1.8	30.5	3.08	0.0078	1500	500/D

### 13 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
13	0.5	7/0.30	0.8	1	1.8	19	36	0.0162	435	500/D
	0.75	7/0.37	0.8	1	1.8	20	24.5	0.0142	505	500/D
	1	7/0.40	0.8	1	1.8	20.5	18.1	0.0135	530	500/D
	1.5	7/0.50	0.8	1	1.8	22	12.1	0.0115	645	500/D
	2.5	7/0.67	0.8	1	1.8	24.5	7.41	0.0093	875	500/D
	4	7/0.85	1	1	1.8	29	4.61	0.0092	1275	500/D
	6	7/1.04	1	1	1.9	32	3.08	0.0078	1665	500/D

### 14 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
14	0.5	7/0.30	0.8	1	1.8	19	36	0.0162	435	500/D
	0.75	7/0.37	0.8	1	1.8	20	24.5	0.0142	505	500/D
	1	7/0.40	0.8	1	1.8	20.5	18.1	0.0135	540	500/D
	1.5	7/0.50	0.8	1	1.8	22	12.1	0.0115	660	500/D
	2.5	7/0.67	0.8	1	1.8	24.5	7.41	0.0093	900	500/D
	4	7/0.85	1	1	1.8	29	4.61	0.0092	1305	500/D
	6	7/1.04	1	1	1.9	32	3.08	0.0078	1715	500/D

### 15 Core CVV-S Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
15	0.5	7/0.30	0.8	1	1.8	20	36	0.0162	475	500/D
	0.75	7/0.37	0.8	1	1.8	21	24.5	0.0142	550	500/D
	1	7/0.40	0.8	1	1.8	21.5	18.1	0.0135	585	500/D
	1.5	7/0.50	0.8	1	1.8	23	12.1	0.0115	715	500/D
	2.5	7/0.67	0.8	1	1.8	25.5	7.41	0.0093	980	500/D
	4	7/0.85	1	1	1.8	30.5	4.61	0.0092	1425	500/D
	6	7/1.04	1	1	1.9	34	3.08	0.0078	1875	500/D

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## Control Cable 0.6/1 kV CVV-SWA to IEC 60502 Standard (2-30 core)

### APPLICATION

For use in duct, tray and for direct burying in ground. The cable subjects to immerse in water all the line.

### CONSTRUCTION

**Conductor:** Concentric Stranded annealed copper wire

**Insulation:** PVC Black color



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