



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 inner sheath	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation (at70C)	Cable weight (Approx.)	Standard Length
	mm ²	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 ²	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

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

Identification: Printed White number on the surface of Black insulation

Filler: Suitable filler

Binding tape: Suitable tape

Inner sheath: PVC Black color

Armour: Galvanized steel wire

Binding tape: Suitable tape

Outer Sheath: PVC Black color

CONSTRUCTION PARAMETER

2 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
2	0.5	7/0.30	0.8	1.2	0.8	1.8	15.5	36	0.0162	320	500/D
	0.75	7/0.37	0.8	1.2	0.8	1.8	15.6	24.5	0.0142	345	500/D
	1	7/0.40	0.8	1.2	0.8	1.8	16	18.1	0.0135	350	500/D
	1.5	7/0.50	0.8	1.2	0.8	1.8	16.5	12.1	0.0115	390	500/D
	2.5	7/0.67	0.8	1.2	0.8	1.8	17.5	7.41	0.0093	460	500/D
	4	7/0.85	1	1.2	1.25	1.8	21	4.61	0.0092	710	500/D
	6	7/1.04	1	1.2	1.25	1.8	22	3.08	0.0078	820	500/D

3 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
3	0.5	7/0.30	0.8	1.2	0.8	1.8	15.5	36	0.0162	365	500/D
	0.75	7/0.37	0.8	1.2	0.8	1.8	16	24.5	0.0142	370	500/D
	1	7/0.40	0.8	1.2	0.8	1.8	16.5	18.1	0.0135	385	500/D
	1.5	7/0.50	0.8	1.2	0.8	1.8	17	12.1	0.0115	430	500/D
	2.5	7/0.67	0.8	1.2	1.25	1.8	19.5	7.41	0.0093	635	500/D
	4	7/0.85	1	1.2	1.25	1.8	21.5	4.61	0.0092	800	500/D
	6	7/1.04	1	1.2	1.25	1.8	23	3.08	0.0078	935	500/D

4 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
4	0.5	7/0.30	0.8	1.2	0.8	1.8	16.5	36	0.0162	380	500/D
	0.75	7/0.37	0.8	1.2	0.8	1.8	17	24.5	0.0142	410	500/D
	1	7/0.40	0.8	1.2	0.8	1.8	17	18.1	0.0135	425	500/D
	1.5	7/0.50	0.8	1.2	0.8	1.8	18	12.1	0.0115	480	500/D
	2.5	7/0.67	0.8	1.2	1.25	1.8	20.5	7.41	0.0093	715	500/D
	4	7/0.85	1	1.2	1.25	1.8	23	4.61	0.0092	915	500/D
	6	7/1.04	1	1.2	1.25	1.8	24.5	3.08	0.0078	1075	500/D

5 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
5	0.5	7/0.30	0.8	1.2	0.8	1.8	17	36	0.0162	420	500/D
	0.75	7/0.37	0.8	1.2	0.8	1.8	18	24.5	0.0142	455	500/D
	1	7/0.40	0.8	1.2	1.25	1.8	19	18.1	0.0135	595	500/D
	1.5	7/0.50	0.8	1.2	1.25	1.8	20	12.1	0.0115	665	500/D
	2.5	7/0.67	0.8	1.2	1.25	1.8	21.5	7.41	0.0093	805	500/D
	4	7/0.85	1	1.2	1.25	1.8	24.5	4.61	0.0092	1040	500/D
	6	7/1.04	1	1.2	1.6	1.8	27	3.08	0.0078	1385	500/D

6 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
6	0.5	7/0.30	0.8	1.2	0.8	1.8	18	36	0.0162	450	500/D
	0.75	7/0.37	0.8	1.2	1.25	1.8	19.5	24.5	0.0142	610	500/D
	1	7/0.40	0.8	1.2	1.25	1.8	20	18.1	0.0135	635	500/D
	1.5	7/0.50	0.8	1.2	1.25	1.8	21	12.1	0.0115	715	500/D
	2.5	7/0.67	0.8	1.2	1.25	1.8	22.5	7.41	0.0093	870	500/D
	4	7/0.85	1	1.2	1.6	1.8	26.5	4.61	0.0092	1270	500/D
	6	7/1.04	1	1.2	1.6	1.8	28.5	3.08	0.0078	1515	500/D

7 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
7	0.5	7/0.30	0.8	1.2	0.8	1.8	18	36	0.0162	455	500/D
	0.75	7/0.37	0.8	1.2	1.25	1.8	19.5	24.5	0.0142	620	500/D
	1	7/0.40	0.8	1.2	1.25	1.8	20	18.1	0.0135	650	500/D
	1.5	7/0.50	0.8	1.2	1.25	1.8	21	12.1	0.0115	730	500/D
	2.5	7/0.67	0.8	1.2	1.25	1.8	22.5	7.41	0.0093	895	500/D
	4	7/0.85	1	1.2	1.6	1.8	26.5	4.61	0.0092	1315	500/D
	6	7/1.04	1	1.2	1.6	1.8	28.5	3.08	0.0078	1580	500/D

8 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
8	0.5	7/0.30	0.8	1.2	1.25	1.8	20	36	0.0162	625	500/D
	0.75	7/0.37	0.8	1.2	1.25	1.8	20.5	24.5	0.0142	680	500/D
	1	7/0.40	0.8	1.2	1.25	1.8	21	18.1	0.0135	710	500/D
	1.5	7/0.50	0.8	1.2	1.25	1.8	22	12.1	0.0115	810	500/D
	2.5	7/0.67	0.8	1.2	1.25	1.8	24	7.41	0.0093	995	500/D
	4	7/0.85	1	1.2	1.6	1.8	28	4.61	0.0092	1470	500/D
	6	7/1.04	1	1.2	1.6	1.8	30	3.08	0.0078	1770	500/D

9 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
9	0.5	7/0.30	0.8	1.2	1.25	1.8	20.5	36	0.0162	680	500/D
	0.75	7/0.37	0.8	1.2	1.25	1.8	21.5	24.5	0.0142	750	500/D
	1	7/0.40	0.8	1.2	1.25	1.8	22	18.1	0.0135	770	500/D
	1.5	7/0.50	0.8	1.2	1.25	1.8	23	12.1	0.0115	885	500/D
	2.5	7/0.67	0.8	1.2	1.6	1.8	26	7.41	0.0093	1230	500/D
	4	7/0.85	1	1.2	1.6	1.8	29.5	4.61	0.0092	1630	500/D
	6	7/1.04	1	1.2	1.6	1.9	32	3.08	0.0078	1975	500/D

10 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation resistance (at70C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
10	0.5	7/0.30	0.8	1.2	1.25	1.8	22	36	0.0162	725	500/D
	0.75	7/0.37	0.8	1.2	1.25	1.8	22.5	24.5	0.0142	800	500/D
	1	7/0.40	0.8	1.2	1.25	1.8	23	18.1	0.0135	835	500/D
	1.5	7/0.50	0.8	1.2	1.25	1.8	24.5	12.1	0.0115	955	500/D
	2.5	7/0.67	0.8	1.2	1.6	1.8	27.5	7.41	0.0093	1385	500/D
	4	7/0.85	1	1.2	1.6	1.9	32	4.61	0.0092	1775	500/D
	6	7/1.04	1	1.2	1.6	2	24.5	3.08	0.0078	2170	500/D

11 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation resistance (at70C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
11	0.5	7/0.30	0.8	1.2	1.25	1.8	22	36	0.0162	765	500/D
	0.75	7/0.37	0.8	1.2	1.25	1.8	23	24.5	0.0142	840	500/D
	1	7/0.40	0.8	1.2	1.25	1.8	23.5	18.1	0.0135	880	500/D
	1.5	7/0.50	0.8	1.2	1.6	1.8	25.5	12.1	0.0115	1150	500/D
	2.5	7/0.67	0.8	1.2	1.6	1.8	28	7.41	0.0093	1415	500/D
	4	7/0.85	1	1.2	1.6	1.9	32.5	4.61	0.0092	1905	500/D
	6	7/1.04	1	1.2	1.6	2	35.5	3.08	0.0078	2310	500/D

12 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at20C)	Minimum insulation resistance (at70C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
12	0.5	7/0.30	0.8	1.2	1.25	1.8	22	36	0.0162	765	500/D
	0.75	7/0.37	0.8	1.2	1.25	1.8	23	24.5	0.0142	845	500/D
	1	7/0.40	0.8	1.2	1.25	1.8	23.5	18.1	0.0135	885	500/D
	1.5	7/0.50	0.8	1.2	1.6	1.8	25.5	12.1	0.0115	1160	500/D
	2.5	7/0.67	0.8	1.2	1.6	1.8	28	7.41	0.0093	1435	500/D
	4	7/0.85	1	1.2	1.6	1.9	32.5	4.61	0.0092	1940	500/D
	6	7/1.04	1	1.2	1.6	2	35.5	3.08	0.0078	2365	500/D

13 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
13	0.5	7/0.30	0.8	1.2	1.25	1.8	23	36	0.0162	820	500/D
	0.75	7/0.37	0.8	1.2	1.25	1.8	24	24.5	0.0142	905	500/D
	1	7/0.40	0.8	1.2	1.25	1.8	24.5	18.1	0.0135	950	500/D
	1.5	7/0.50	0.8	1.2	1.6	1.8	26.5	12.1	0.0115	1230	500/D
	2.5	7/0.67	0.8	1.2	1.6	1.8	29	7.41	0.0093	1545	500/D
	4	7/0.85	1	1.2	1.6	1.9	34	4.61	0.0092	2085	500/D
	6	7/1.04	1	1.2	1.6	2.1	38	3.08	0.0078	2620	500/D

14 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
14	0.5	7/0.30	0.8	1.2	1.25	1.8	23	36	0.0162	825	500/D
	0.75	7/0.37	0.8	1.2	1.25	1.8	24	24.5	0.0142	915	500/D
	1	7/0.40	0.8	1.2	1.25	1.8	24.5	18.1	0.0135	955	500/D
	1.5	7/0.50	0.8	1.2	1.6	1.8	26.5	12.1	0.0115	1240	500/D
	2.5	7/0.67	0.8	1.2	1.6	1.8	29	7.41	0.0093	1565	500/D
	4	7/0.85	1	1.2	1.6	1.9	34	4.61	0.0092	2120	500/D
	6	7/1.04	1	1.2	1.6	2.1	38	3.08	0.0078	2570	500/D

15 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
15	0.5	7/0.30	0.8	1.2	1.25	1.8	23.5	36	0.0162	880	500/D
	0.75	7/0.37	0.8	1.2	1.6	1.8	25.5	24.5	0.0142	1115	500/D
	1	7/0.40	0.8	1.2	1.6	1.8	26	18.1	0.0135	1150	500/D
	1.5	7/0.50	0.8	1.2	1.6	1.8	27.5	12.1	0.0115	1330	500/D
	2.5	7/0.67	0.8	1.2	1.6	1.8	30	7.41	0.0093	1675	500/D
	4	7/0.85	1	1.2	1.6	2	35.5	4.61	0.0092	2305	500/D
	6	7/1.04	1	1.2	2	2.1	39.5	3.08	0.0078	3085	500/D

16 Core CVV-SWA Control Cable

No. of core	Nominal cross-sectional area	No. & dia. of wires	Thickness of insulation	Thickness of inner sheath	Diameter of steel wire armour	Thickness of outer sheath	Overall diameter (Approx.)	Maximum conductor (at 20°C)	Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
	mm ²	No./mm	mm	mm	mm	mm	mm	Ohm/km	Ohm/km	kg/km	m
16	0.5	7/0.30	0.8	1.2	1.25	1.8	23.5	36	0.0162	885	500/D
	0.75	7/0.37	0.8	1.2	1.6	1.8	25.5	24.5	0.0142	1225	500/D
	1	7/0.40	0.8	1.2	1.6	1.8	26.5	18.1	0.0135	1160	500/D
	1.5	7/0.50	0.8	1.2	1.6	1.8	27.5	12.1	0.0115	1345	500/D
	2.5	7/0.67	0.8	1.2	1.6	1.8	30	7.41	0.0093	1700	500/D
	4	7/0.85	1	1.2	1.6	2	35.5	4.61	0.0092	2340	500/D
	6	7/1.04	1	1.2	2	2.1	39.5	3.08	0.0078	3135	500/D



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 CABLE



河南泰诺电缆有限公司

HENAN TANO CABLE CO.,LTD.

Website: <http://www.tanocable.com/>

Tel.: 0086-371-60306197

Fax: 0086-371-60306197

Email: info@tanocable.com

Address: Zhengzhou City, Henan
Province, China.

Zip: 450000