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河南泰诺电缆有限公司

HENAN TANO CABLE CO.,LTD.



230/400 kV XLPE INSULATED, PE SHEATHED HV POWER CABLE to IEC 60840 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.





230/400 kV XLPE Insulated, PE Sheathed HV Power Cable to IEC 60840 Standard

APPLICATION

These single core cables are designed for distribution of electrical power with nominal voltage 230/400kV. They are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations.

STANDARD

IEC 62067

CONSTRUCTION



Conductor: The cable conductors can be made of copper or aluminium, depending on customer's preference or current carrying capacity. Large size solid conductors are made of aluminium. Available constructions including: round solid conductors up to 2000mm² (RE); circular stranded compacted conductors up to 1200mm² (RM); circular conductors with shaped wires up to 2000mm² (RM, Keystone conductors); segmental conductors up to 2500mm² (RMS, Milliken conductors); oval shaped stranded compacted conductors up to 800mm² for external gas pressure cables (OM).

Conductor Screen: Extruded layer of semi-conducting cross-linkable compound is applied over the conductor and shall cover the surface completely.

Insulation: Insulation is of cross-linked polyethylene compound XLPE.

Insulation Screen: Extruded layer of semi-conducting cross-linkable compound is applied over the insulation.

Metallic Layer: The metallic layer may be applied over the core assembly collectively. The metallic screen shall consist of either copper tapes or a concentric layer of copper wires or a combination of tapes and wires.

Separation Sheath: Aluminum Tape sheath

Outer Sheath: PE

CONSTRUCTION PARAMETER

Nom. Cross-Section Area	Nom. Insulation Thickness	Copper Wire Screen Area	Approx. Overall Diameter	Approx. Weight	
				CU	AL
mm ²	mm	mm ²	mm	kg/m	
630	33	170	118	17	13
800	31	170	118	18	13
1000(RM)	29	170	118	20	14
1000(RMS)	29	170	121	20	14
1200	27	170	120	22	14
1400	27	170	123	24	15
1600	27	170	127	26	16
1800	26	170	128	28	17
2000	26	170	131	30	18
2500	26	170	138	36	20

ELECTRICAL PROPERTIES

Nom. Cross-Section Area	DC		AC		Capacitance per core	Inductance	Current Ratings/Power Ratings(continuous load)			
	Resistance @20°C		Resistance @90°C				Cu conductor		Al conductor	
	Cu	Al	Cu	Al			1 circuit	2 circuits	1 circuit	2 circuits
	Ω/km	Ω/km	Ω/km	Ω/km			A/MVA		A/MVA	
mm ²				μF/km	mH/km	trefoil installation				
630	0.0283	0.0469	0.0393	0.0622	0.119	0.46	594/412	481/333	499/346	406/281
800	0.0221	0.0367	0.0317	0.05	0.134	0.44	636/441	512/355	545/378	440/305
1000(RM)	0.0176	0.0291	0.0276	0.0409	0.15	0.41	671/465	538/373	587/407	471/326
							flat installation			
1000(RM)	0.0176	0.0291	0.0232	0.0375	0.156	0.56	938/650	804/557	748/518	641/444

1200	0.0151	0.0247	0.0201	0.0319	0.171	0.55	1001/694	855/592	808/560	690/478
1400	0.0129	0.0212	0.0175	0.0275	0.18	0.53	1070/741	912/632	868/601	740/513
1600	0.0113	0.0186	0.0156	0.024	0.188	0.52	1125/779	957/663	924/640	787/545
1800	0.0101	0.0165	0.0142	0.0213	0.201	0.51	1168/809	990/686	973/674	826/572
2000	0.009	0.0149	0.0129	0.0193	0.209	0.5	1212/840	1026/711	1016/704	861/597
2500	0.0072	0.0119	0.0109	0.0156	0.226	0.47	1289/893	1086/752	1112/770	938/650



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