



TANO

C A B L E

河南泰诺电缆有限公司

HENAN TANO CABLE CO.,LTD.



127/220 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.





127/220 kV XLPE Insulated, PE Sheathed HV Power Cable to IEC 60840 Standard

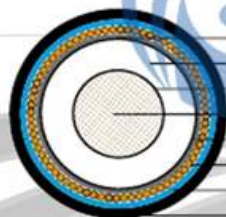
APPLICATION

These single core cables are designed for distribution of electrical power with nominal voltage 127/220kV. 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



- Insulation Screening
- XLPE Insulation
- Conductor Screening
- Aluminium/Copper Conductor
- Watertight design
- Copper Wire Screen
- Aluminium Tape
- Polyethylene Sheath

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 construction 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 2500 mm² (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	
240	25	50	83	7.4	5.9
300	24	50	83	8	6.1
400	22	50	82	8.6	6.2
500	22	50	86	9.9	6.8
630	22	50	90	11.4	7.5
800	19	50	88	12.5	7.5
1000	19	110	98	16	10
1200	18	110	100	18	10.6
1400	18	110	103	20	11.4
1600	18	110	108	22	12.4
1800	19	110	113	25	13.6
2000	19	110	116	27	14.5
2500	19	110	123	32	16.6

ELECTRICAL PROPERTIES

Nom. Cross-Section Area	DC		AC		Capacitance per core µF/km	Inductance mH/km	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	
							trefoil installation			
240	0.0754	0.125	0.0973	0.161	0.106	0.49	423/161	357/136	333/127	282/107
300	0.0601	0.1	0.0781	0.129	0.116	0.47	470/179	396/151	372/142	314/120
400	0.047	0.0778	0.0618	0.101	0.133	0.44	524/200	440/168	420/160	352/134
500	0.0366	0.0605	0.0492	0.0791	0.143	0.42	584/223	489/186	473/180	396/151
630	0.0283	0.0469	0.0393	0.0622	0.155	0.41	648/247	540/206	531/202	443/169
800	0.0221	0.0367	0.0326	0.05	0.187	0.38	702/267	582/222	587/224	487/186
							flat installation			
1000	0.0176	0.0291	0.0232	0.0375	0.215	0.56	989/377	857/327	782/298	678/258
1200	0.0151	0.0247	0.0201	0.0319	0.236	0.55	1060/404	917/349	849/324	734/280
1400	0.0129	0.0212	0.0175	0.0275	0.248	0.53	1136/433	981/374	915/349	790/301
1600	0.0113	0.0186	0.0156	0.024	0.26	0.52	1201/458	1035/394	979/373	844/322
1800	0.0101	0.0165	0.0142	0.0213	0.26	0.51	1253/477	1080/412	1035/394	892/340
2000	0.009	0.0149	0.0129	0.0193	0.27	0.5	1308/498	1126/429	1086/414	935/356
2500	0.0072	0.0119	0.0109	0.0156	0.294	0.47	1406/536	1207/460	1201/458	1031/393



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