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河南泰诺电缆有限公司

HENAN TANO CABLE CO.,LTD.



LV ABC to BS 7870 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.





LV Aerial Bundled Conductor (ABC) Cables to BS 7870 Standard

APPLICATION

Aerial Bundle Cable (ABC cable) is a very innovative concept for overhead power distribution as compared to the conventional bare conductor overhead distribution system. It provides higher level of safety and reliability, lower power losses and ultimate system economy by reducing installation, maintenance and operative cost. Tano Cable LV Aerial Bundle Cables are designed to supply 600/1000 volt aerial service for temporary service at construction sites, as a service drop (power pole to service entrance), as a secondary cable (pole to pole) or street lighting. This over-head cable provides reinforced insulation acc. IEC 61140 and fulfill therefore Class II acc. IEC 61140. It is not flame retardant. But this could be if requested change to a flame retardant cable.

STANDARD

Basic design to BS 7870 standard.



CONSTRUCTION

Conductor: Aluminium conductor, round stranded compressed (RM).

Insulation: XPLE compound, UV-resistant.

Core identification: 1, 2 resp. 3 raised longitudinal ribs on the surface of the cores. The surface of the neutral core should have at least 12 ribs for cross-sections up to 50 mm² and a minimum of 16 ribs for cores above 50 mm². In the case of five core bundles the surface of the protective core should be smooth.

ELECTRICAL PROPERTIES

Rated Voltage	0.6/1kV
Test Voltage	4 V _{eff} kV
Minimum Laying Temperature	-20°C
Operating Temperature	-40°C ~ +90°C
Maximum Short-circuit Temperature	250°C
Maximum Conductor Temperature	80°C
Minimum Bending Radius	18×OD

CONSTRUCTION PARAMETERS

Number of Cores xNominal Cross Section	Overall Diameter	Weight	Maximum Conductor Resistance	Minimum Breaking Load	Current Rating
No. xmm ²	mm	Kg/Km	Ω/Km	KN	A
1x16 RM	8,0	74	1,910	2,5	72
1x25 RM	9,0	106	1,200	4,0	107
1x35 RM	10,5	138	0,868	5,5	132
1x50 RM	11,8	182	0,641	8,0	165
1x70 RM	13,0	252	0,443	10,7	205
1x95 RM	15,4	333	0,320	13,7	240
1x120 RM	17,0	408	0,253	18,6	290
1x150 RM	19,0	502	0,206	23,2	334
1x185 RM	21,0	611	0,164	28,7	389
1x240 RM	24,0	801	0,125	37,2	467
2x16 RM	15,6	147	1,910	2,5	72
2x25 RM	18,0	208	1,200	4,0	107
2x35 RM	20,0	277	0,868	5,5	132
2x50 RM	23,5	361	0,641	8,0	165
2x70 RM	25,4	505	0,443	10,7	205
2x95 RM	30,3	666	0,320	13,7	240
2x150 RM	38,0	1004	0,206	23,2	334
4x16 RM	18,8	286	1,910	2,5	72
4x25 RM	21,2	430	1,200	4,0	107
4x35 RM	24,1	553	0,868	5,5	132
4x50 RM	27,8	746	0,641	8,0	165
4x70 RM	31,8	1,009	0,443	10,7	205
4x95 RM	37,8	1,332	0,320	13,7	240
4x120 RM	54,4	1,632	0,253	18,6	290
4x50 + 1x25 RM	319	814	0,641/1,200	8,0/4,0	165/107
4x50 + 1x35 RM	319	845	0,641/0,868	8,5/5,5	165/132
4x70 + 1x25 RM	360	1105	0,443/1,200	10,7/4,0	205/107
4x70 + 2x25 RM	400	1217	0,443/1,200	10,7/4,0	205/107
4x95 + 1x25 RM	418	1438	0,320/1,200	13,7/4,0	240/107
4x95 + 2x25 RM	420	1544	0,320/1,200	13,7/4,0	240/107
4x120 + 1x25 RM	590	2050	0,253/1,200	18,6/4,0	290/107

Other cross-sections can be offered upon request.



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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