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**河南泰诺电缆有限公司**

HENAN TANO CABLE CO.,LTD.



# LV ABC to IEC 60502 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.

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 IEC 60502 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 TNB Specification (IEC 60502) 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 mm<sup>2</sup> and a minimum of 16 ribs for cores above 50 mm<sup>2</sup>. 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 Veff 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 X Nominal Cross Section	Overall Diameter	Weight	Maximum Conductor Resistance	Minimum Breaking Load	Current Rating
No.×mm <sup>2</sup>	mm	Kg/Km	Ω/Km	KN	A
1x16+1x25 RM	15.3	160	1.910	2.5	72
3x16+1x25 RM	19	290	1.200	4.0	107
3x25+1x25 RM	23.2	400	0.868	5.5	132
3x35+1x25 RM	25.6	500	0.641	8.0	165
3x50+1x35 RM	30	680	0.443	10.7	205
3x70+1x50 RM	34.9	920	0.320	13.7	240
3x95+1x70 RM	40.6	1270	0.253	18.6	290
3x120+1x70 RM	44.1	1510	0.206	23.2	334
3x150+1x95 RM	49.2	1870	0.164	28.7	389
3x185+1x120 RM	54.9	2340	0.125	37.2	467
3x25+1x25+1x16 RM	23.2	470	1.910	2.5	72
3x35+1x25+1x16 RM	25.6	560	1.200	4.0	107
3x50+1x35+1x16 RM	30	740	0.868	5.5	132
3x70+1x50+1x16 RM	34.9	980	0.641	8.0	165
3x95+1x70+1x16 RM	40.6	1330	0.443	10.7	205
3x120+1x70+1x16 RM	44.1	1580	0.320	13.7	240
3x150+1x95+1x16 RM	49.2	1940	0.206	23.2	334
3x185+1x120+1x16 RM	54.9	2410	1.910	2.5	72

Other cross-sections can be offered upon request.



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