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**河南泰诺电缆有限公司**

HENAN TANO CABLE CO.,LTD.



# MV 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.

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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.





# MV Aerial Bundled Conductor (ABC) Cables to IEC 60502

## APPLICATION

Aerial bundled cables are mainly used for secondary overhead lines on poles or as feeders to residential premises.

## STANDARD

Basic design to IEC 60502 standard.

## CONSTRUCTION

**Phase Conductor:** Circular compacted stranded H68 aluminium to BS2627.

**Conductor Screen:** Extruded semi-conductive layer.

**Insulation:** XLPE.

**Insulation Screen:** Extruded semi-conductive layer.

**Metallic Screen(optional):** Copper wire screen or copper tape screen.

**Separator:** Semi-conductive swellable tape.

**outer Sheath:** HDPE.

**Support Conductor:** Galvanized steel wires.

**Assembly:** Three XLPE insulated screened cores are bundled around the galvanized steel wires in a right hand lay.

## CONSTRUCTION PARAMETERS

IEC 60502 6.35/11kV ABC for Overhead Distribution Lines

Number of Cores x Nominal Cross Section	Phase Conductor			Messenger Suspension Unit			Continuous current rating at 300°C ambient temp
	Stranding	Nominal Sectional Area	Maximum Conductor Resistance	Stranding	Nominal Sectional Area	Breaking Load	
No. xmm <sup>2</sup>	No. xmm	mm <sup>2</sup>	Ω/Km	No. xmm	mm <sup>2</sup>	KN	A
3X50 + 1X25	19/1.78	50	0.641	7/3.0	50	60	116
3X70 + 1X50	19/1.14	70	0.443	7/3.15	50	62	210
3X95 + 1X50	19/2.52	95	0.32	7/3.0	50	60	173
3X185 + 1X120	37/2.52	185	0.164	7/4.67	120	150	259
3X150 + 1X50	37/2.25	150	0.206	7/3.15	50	62	365
3X240 + 1X50	61/2.25	240	0.125	7/3.15	50	62	500

Other cross-sections can be offered upon request.

#### IEC 60502 19/33 kV ABC for Overhead Distribution Lines

Number of Cores x Nominal Cross Section	Phase Conductor			Messenger Suspension Unit			Continuous current rating at 300°C ambient temp
	Stranding	Nominal Sectional Area	Maximum Conductor Resistance	Stranding	Nominal Sectional Area	Breaking Load	
No. xmm <sup>2</sup>	No. xmm	mm <sup>2</sup>	Ω/Km	No. xmm	mm <sup>2</sup>	KN	A
3X50 + 1X50	19/1.78	50	0.641	7/3.0	50	60	165
3X150 + 1X50	37/2.25	150	0.206	7/3.0	50	60	315
3X185 + 1X70	37/2.52	185	0.164	7/3.57	70	91	355
3X70 + 1X50	19/2.14	70	0.443	7/3.15	50	62	250
3X150 + 1X50	37/2.25	150	0.206	7/3.15	50	62	370

Other cross-sections can be offered upon request.



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