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河南泰诺电缆有限公司

HENAN TANO CABLE CO.,LTD.



MV ABC to AS/NZS 3599 - 1 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 AS/NZS 3599 – 1 Standard

APPLICATION

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

STANDARD

Basic design to AS/NZS 3599 - 1 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

AS/NZS 3599 PART 1 6.35/11 kV AL/XLPE/HDPE Non-screened Cables

Number of Cores xNominal Cross Section	Phase Conductor				Messenger Suspension Unit	Nominal Sectional Area	Breaking Load
	Diameter of Conductor	Thickness of Insulation	Thickness of Insulation Screen	Thickness of Sheath	Stranding		
No. xmm ²	mm	mm	mm	mm	No. xmm	mm ²	KN
3x35	6.9	3.4	0.8	1.2	7/4.75	52.4	1370
3x50	8.1	3.4	0.8	1.2	7/4.75	54.6	1530
3x70	9.7	3.4	0.8	1.2	7/4.75	57.8	1790
3x95	11.4	3.4	0.8	1.2	7/4.75	61.3	2100
3x120	12.8	3.4	0.8	1.2	19/3.50	67.3	2540
3x150	14.2	3.4	0.8	1.2	19/3.50	70.1	2840
3x185	15.7	3.4	0.8	1.2	19/3.50	73.1	3190

Other cross-sections can be offered upon request.

AS/NZS 3599 PART 1 6.35/11 kV AL/XLPE/CWS/HDPE Screened Cables

Number of Cores xNominal Cross Section	Diameter of Conductor	Thickness of Insulation	Thickness of Insulation Screen	Copper Wire Screen Stranding	Thickness of Sheath	Galvanized Steel Wire Stranding	Nominal Sectional Area	Breaking Load
No. xmm ²	mm	mm	mm	No. xmm	mm	No. xmm	mm ²	KN
light duty Screen								
3x35	6.9	3.4	0.8	25/0.85	1.8	7/2.00	54.1	1820
3x35	6.9	3.4	0.8	25/0.85	1.8	19/2.00	58.1	2130
3x50	8.1	3.4	0.8	25/0.85	1.8	19/2.00	60.4	2300
3x70	9.7	3.4	0.8	25/0.85	1.8	19/2.00	63.6	2570
3x95	11.4	3.4	0.8	25/0.85	1.8	19/2.00	67	2900
3x120	12.8	3.4	0.8	25/0.85	1.8	19/2.00	69.8	3190
3x150	14.2	3.4	0.8	25/0.85	1.9	19/2.00	73	3530
3x185	15.7	3.4	0.8	25/0.85	1.9	19/2.00	76	3890
Heavy duty Screen								
3x35	6.9	3.4	0.8	40/0.85	1.8	7/2.00	54.1	2050
3x35	6.9	3.4	0.8	40/0.85	1.8	19/2.00	58.1	2360
3x50	8.1	3.4	0.8	23/1.35	1.8	19/2.00	62.4	2820
3x70	9.7	3.4	0.8	32/1.35	1.8	19/2.00	65.6	3440
3x95	11.4	3.4	0.8	39/1.35	1.8	19/2.00	69	4030
3x120	12.8	3.4	0.8	39/1.35	1.8	19/2.00	71.8	4320
3x150	14.2	3.4	0.8	39/1.35	1.9	19/2.00	75	4670
3x185	15.7	3.4	0.8	39/1.35	1.9	19/2.00	78	5020

Other cross-sections can be offered upon request.

AS/NZS 3599 PART 1 12.7/22 kV AL/XLPE/HDPE Non-screened Cables

Number of Cores xNominal Cross Section	Phase Conductor				Messenger Suspension Unit	Nominal Sectional Area	Breaking Load
	Diameter of Conductor	Thickness of Insulation	Thickness of Insulation Screen	Thickness of Sheath	Stranding		
No. xmm ²	mm	mm	mm	mm	No. xmm	mm ²	KN
3x35	6.9	5.5	0.8	1.2	7/4.75	61	1780
3x50	8.1	5.5	0.8	1.2	7/4.75	63.3	1970
3x70	9.7	5.5	0.8	1.2	7/4.75	66.5	2260
3x95	11.4	5.5	0.8	1.2	7/4.75	69.9	2600
3x120	12.8	5.5	0.8	1.2	19/3.50	75.9	3070
3x150	14.2	5.5	0.8	1.2	19/3.50	78.7	3390
3x185	15.7	5.5	0.8	1.2	19/3.50	81.7	3760

Other cross-sections can be offered upon request.

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AS/NZS 3599 PART 1 12.7/22 kV AL/XLPE/CWS/HDPE Screened Cables

Number of Cores xNominal Cross Section	Diameter of Conductor	Thickness of Insulation	Thickness of Insulation Screen	Copper Wire Screen Stranding	Thickness of Sheath	Galvanized Steel Wire Stranding	Nominal Sectional Area	Breaking Load
No. xmm ²	mm	mm	mm	No. xmm	mm	No. xmm	mm ²	KN
Light duty Screen								
3x35	6.9	5.5	0.8	25/0.85	1.8	7/2.00	62.7	2280
3x35	6.9	5.5	0.8	25/0.85	1.8	19/2.00	66.7	2580
3x50	8.1	5.5	0.8	25/0.85	1.8	19/2.00	69	2780
3x70	9.7	5.5	0.8	25/0.85	1.9	19/2.00	72.6	3110
3x95	11.4	5.5	0.8	25/0.85	1.9	19/2.00	76	3460
3x120	12.8	5.5	0.8	25/0.85	2	19/2.00	79.2	3810
3x150	14.2	5.5	1	25/0.85	2	19/2.00	82.8	4230
3x185	15.7	5.5	1	25/0.85	2.1	19/2.00	86.2	4650
Heavy duty Screen								
3x35	6.9	5.5	0.8	40/0.85	1.8	7/2.00	62.7	2510

3x35	6.9	5.5	0.8	40/0.85	1.8	19/2.00	66.7	2810
3x50	8.1	5.5	0.8	23/1.35	1.8	19/2.00	71	3300
3x70	9.7	5.5	0.8	32/1.35	1.9	19/2.00	74.6	3970
3x95	11.4	5.5	0.8	39/1.35	1.9	19/2.00	78	4600
3x120	12.8	5.5	0.8	39/1.35	2	19/2.00	81.2	4950
3x150	14.2	5.5	1	39/1.35	2	19/2.00	84.8	5360

Other cross-sections can be offered upon request.

TECHNICAL DATA

Nominal Cross Section	Continuous Current Rating		
	Still Air	1m/s Wind	2m/s Wind
mm ²	A	A	A
35	105	145	165
50	125	170	200
70	150	215	250
95	180	260	300
120	205	300	350
150	230	340	395
185	265	390	450

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