HENAN QINGZHOU ELECTRICAL CABLE CO., LTD

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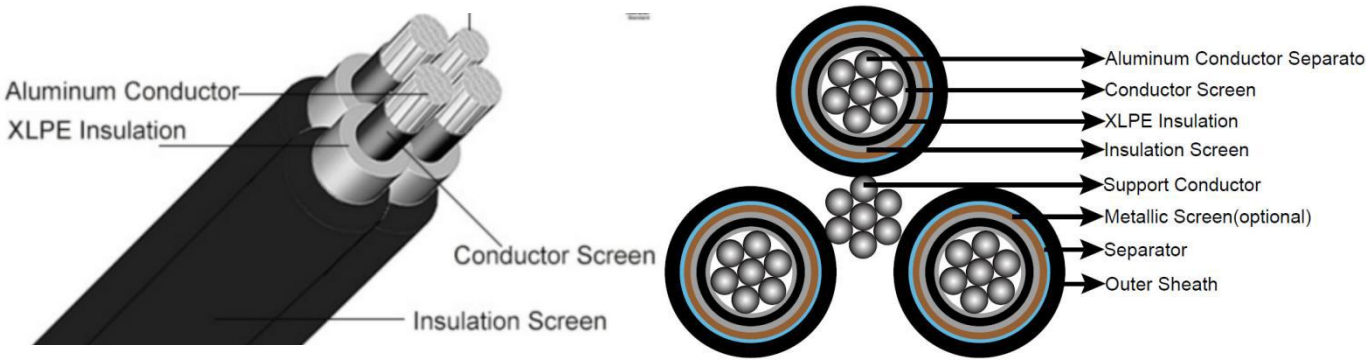
IEC60502 Standard MV Aerial Bundled Conductor (ABC) Cables

Application

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

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

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IEC 60502 6.35/11 kV ABC for Overhead Distribution Lines

Number of Cores x Nominal Cross Section	Phase Conductor			Messenger Suspension Unit			Continuous current rating at 300C ambient temp
	Stranding	Nominal Sectional Area	Maximum Conductor Resistance	Stranding	Nominal Sectional Area	Breaking Load	
No.*mm^2	No./mm	mm^2	Ω/Km	No./mm	mm^2	KN	A
3X50 + 1X25	19/1.78	50	0.641	7/3.0	50	60	116
3X70 + 1X50	19/.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 300C ambient temp
	Stranding	Nominal Sectional Area	Maximum Conductor Resistance	Stranding	Nominal Sectional Area	Breaking Load	
No.*mm^2	No./mm	mm^2	Ω/Km	No./mm	mm^2	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	7	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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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