



0.6/1(1.2)kV AL/XLPE(PE) Insulated Aerial Bundled Cables with Street Lighting Conductor

DESCRIPTION:

The aerial Bundled cables designed for overhead distribution lines have an insulated neutral messenger made of AAAC, which the insulated aluminium phase conductor are helically wound over it. Cables are rated at 0.6/1(1.2)kV and conform to IEC60502.

CABLE STRUCTURE:

Conductor.

Phase:

The phase conductor shall be of H68 Condition aluminium conductor and compacted circular stranded.

Neutral or messenger:

The Neutral or messenger conductor shall be of aluminium alloy conductor and compacted circular stranded

Street Lighting:

The street lighting conductors shall be of H68 condition aluminium conductor and compacted circular stranded.

Insulation:

The phase, neutral conductors shall be extruded with polyethylene(PE) as insulation.

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for our product categories. Additionally, we possess other authoritative certifications recognized in various countries and regions. For further details on our certification portfolio, please do not hesitate to contact us.





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Aerial Bundled Cables with Street Lighting Conductor

Specifications

Phase conductor

Number of cores	Nom.Cross- section Area	Minimum number of wires	Insulation Thickness	Diameter of insulated core	Conductor Max. Resistance at 20°C	Current rating at still wind, ambientt temperature=30°C Conductor temperature=75°C
	mm ²		mm	mm	Ω/km	A
3	25	6	1.2	8.5	1.2	84
3	35	6	1.2	9.5	0.868	104
3	50	6	1.4	11.2	0.641	129
3	70	12	1.4	13.0	0.443	167
3	95	15	1.6	15.1	0.320	209
3	120	15	1.6	16.6	0.253	246
3	150	30	1.8	18.4	0.206	283
3	185	30	2.0	20.6	0.164	332

Messenger conductor

Nom.Cross- section Area	Minimum number of wires	Insulation Thickness	Diameter of insulated core	Conductor Max. Resistance at 20°C	Calculated breaking load
mm ²		mm	mm	Ω/km	kN
25	6	1.2	8.5	1.312	6.4
25	6	1.2	8.5	1.312	6.4
35	6	1.2	9.5	0.943	8.9
50	6	1.4	11.2	0.693	12.1
70	12	1.4	13.1	0.469	18.0
70	12	1.4	13.1	0.469	18.0
95	15	1.6	15.1	0.349	24.2
120	15	1.6	16.6	0.273	30.8



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Specifications

Street lighting conductor

Nom.Cross- section Area	Minimum number of wires	Insulation Thickness	Diameter of insulated core	Conductor Max. Resistance at 20°C
mm ²		mm	mm	Ω/km
25	6	1.2	8.5	1.312
25	6	1.2	8.5	1.312
35	6	1.2	9.5	0.943
50	6	1.4	11.2	0.693
70	12	1.4	13.1	0.469
70	12	1.4	13.1	0.469
95	15	1.6	15.1	0.349
120	15	1.6	16.6	0.273

Completed cable

Approx. overall diameter	Approx. weight of cable	Packing length
mm	kg/km	m/drum
23.2	470	1000
25.6	560	1000
30.0	740	1000
34.9	980	1000
40.6	1330	500
44.1	1580	500
49.2	1940	500
54.9	2410	500