



CONSTRUCTION

- 1 **Conductor:** Bare aluminum, alloy 1350, circular compacted stranded (Class 2).
- 2 **Conductor Shield:** Semi-conducting thermoset compound.
- 3 **Insulation:** EPR thermoset rubber compound 105 °C.
- 4 **Insulation Shield:** Semi-conducting thermoset compound layer, easy to remove when cold.
- 5 **Metallic Shield:** Bare copper wires.
- 6 **Separator:** Non-hygroscopic polyester tape, applied helically covering 100 % of the cable.
- 7 **Outer Sheath:** Polyvinyl chloride PVC ST2 compound.

IDENTIFICATION

Cables with 3 conductors, cores identification by means of tape in the colors white, blue and red.

APPLICATION

The modern technology used in the manufacture of **EPRONAX AL SLIM 105 CABLES**, provides an excellent technical and also very economical alternative for service entrance and/or distribution circuits of residential or industrial buildings, substations, etc. They can be installed outdoors, in conduits, ducts, trays or directly buried.

PACKAGING

They are normally supplied on wooden drums.

STANDARDS

ABNT NBR 7286 Power cables with EPR (HEPR or EPR 105) rubber extruded insulation for rated voltages from 1 kV to 35 kV – Requirements.

CABLE EPRONAX AL SLIM 105 (3.6/6 kV) COORDINATED INSULATION

Reference	Conductor		Insulation		Number of conductors	Outer sheath		Total weight (kg/km)		
	Nominal cross section (mm ²)	Nominal diameter (mm)	Nominal thickness (mm)	Nominal diameter (mm)		Nominal thickness (mm)	Nominal diameter (mm)			
3712.01.012	10	3,8	2,5	10,0	1	1,4	15,4	300		
3712.03.012					3	1,8	32,6	1.140		
3712.01.013	16	4,8			11,0	1	1,4	16,4	338	
3712.03.013						3	1,9	35,0	1.302	
3712.01.014	25	6,0				12,2	1	1,4	17,6	388
3712.03.014							3	2,0	37,7	1.515
3712.01.015	35	7,1		13,3			1	1,4	18,7	437
3712.03.015							3	2,1	40,3	1.725
3712.01.016	50	8,3			14,5		1	1,4	19,9	495
3712.03.016							3	2,2	43,1	1.973
3712.01.017	70	9,9				16,1	1	1,5	21,7	594
3712.03.017							3	2,3	47,2	2.385
3712.01.018	95	11,8	18,0	1			1,5	23,6	704	
3712.03.018				3			2,4	51,5	2.845	
3712.01.019	120	13,2		19,4	1		1,6	25,2	811	
3712.03.019					3		2,5	54,7	3.244	
3712.01.020	150	14,8			21,0	1	1,6	26,8	918	
3712.03.020						3	2,7	59,0	3.775	
3712.01.021	185	16,3	22,5			1	1,7	28,5	1.062	
3712.03.021						3	2,8	62,4	4.306	
3712.01.022	240	18,5		25,3		1	1,8	31,5	1.310	
3712.03.022						3	3,0	68,8	5.290	
3712.01.023	300	20,5			27,3	1	1,8	33,5	1.515	
3712.03.023						3	3,2	73,6	6.144	
3712.01.024	400	23,3	30,1			1	1,9	36,5	1.823	
3712.03.024						3	3,4	80,0	7.354	
3712.01.025	500	26,2		33,0		1	2,0	39,6	2.201	
3712.03.025						3	3,6	86,7	8.808	