



CONSTRUCTION

- 1 **Conductor:** Bare aluminum, alloy 1350, circular compacted stranded (Class 2)
- 2 **Conductor Shield:** Semi-conducting thermoset compound.
- 3 **Insulation:** EPR 105 °C thermoset rubber compound.
- 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.

IDENTIFIATION

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 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) extruded rubber insulation for rated voltages from 1 kV to 35 kV – Requirements.

CABLE EPRONAX AL 105 (15/25 kV) FULL 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)	
3721.01.016	50	8,3	6,8	23,1	1	1,7	29,1	919
3721.03.016					3	2,8	62,9	3.808
3721.01.017	70	9,9		24,7	1	1,8	30,9	1.049
3721.03.017					3	2,9	66,9	4.367
3721.01.018	95	11,8		26,6	1	1,8	32,8	1.191
3721.03.018					3	3,1	71,5	5.012
3721.01.019	120	13,2		28,0	1	1,9	34,4	1.326
3721.03.019					3	3,2	74,7	5.526
3721.01.020	150	14,8		29,6	1	1,9	36,0	1.460
3721.03.020					3	3,3	78,7	6.180
3721.01.021	185	16,3		31,1	1	2,0	37,7	1.634
3721.03.021					3	3,4	82,2	6.833
3721.01.022	240	18,5		33,3	1	2,1	40,1	7.888
3721.03.022					3	3,6	87,3	7.848
3721.01.023	300	20,5		35,3	1	2,1	42,1	2.125
3721.03.023					3	3,8	92,0	8.860
3721.01.024	400	23,3		38,1	1	2,2	45,1	2.482
3721.03.024					3	4,0	98,5	10.284
3721.01.025	500	26,2		41,0	1	2,3	48,2	2.909
3721.03.025					3	4,2	105	11.959