



CONSTRUCTION

- 1 Conductor:** Bare aluminum, alloy 1350, circular compacted stranded (Class 2)
- 2 Conductor Shield:** Semi-conducting thermoset compound.
- 3 Insulation:** EPR 105 thermoset rubber insulation.
- 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 105 CABLES** provides an excellent technical and very economical alternative for service entrance and/or distribution circuits in 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 insulation for rated voltages from 1 kV to 35 kV – Requirements.

CABLE EPRONAX AL 105 (3.6/6 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)	
3713.01.012	10	3,8	3,0	11,0	1	1,4	16,4	330
3713.03.012					3	1,9	35,0	1.279
3713.01.013	16	4,8		12,0	1	1,4	17,4	369
3713.03.013					3	2,0	37,3	1.450
3713.01.014	25	6,0		13,2	1	1,4	18,6	422
3713.03.014					3	2,1	40,1	1.675
3713.01.015	35	7,1		14,3	1	1,4	19,7	473
3713.03.015					3	2,1	42,5	1.877
3713.01.016	50	8,3		15,5	1	1,4	20,9	533
3713.03.016					3	2,2	45,3	2.136
3713.01.017	70	9,9		17,1	1	1,5	22,7	635
3713.03.017					3	2,4	49,5	2.586
3713.01.018	95	11,8		19,0	1	1,6	24,8	760
3713.03.018					3	2,5	53,8	3.065
3713.01.019	120	13,2		20,4	1	1,6	26,2	859
3713.03.019					3	2,6	57,1	3.477
3713.01.020	150	14,8		22,0	1	1,7	28,0	981
3713.03.020					3	2,8	61,3	4.027
3713.01.021	185	16,3		23,5	1	1,7	29,5	1.115
3713.03.021					3	2,9	64,8	4.573
3713.01.022	240	18,5		25,7	1	1,8	31,9	1.333
3713.03.022					3	3,0	69,7	5.393
3713.01.023	300	20,5		27,7	1	1,9	34,1	1.555
3713.03.023					3	3,2	74,4	6.255
3713.01.024	400	23,3	30,5	1	2,0	37,1	1.867	
3713.03.024				3	3,4	80,9	7.475	
3713.01.025	500	26,2	33,8	1	2,1	40,6	2.278	
3713.03.025				3	3,6	88,4	9.071	