

# CABLE EPRONAX AL 105

## 6/10 kV

FULL INSULATION



### CONSTRUCTION

- 1 **Conductor:** Bare aluminum, alloy 1350, circular compacted stranded (Class 2)
- 2 **Conductor Shield:** Semi-conducting thermoset compound.
- 3 **Insulation:** EPR rubber thermoset 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 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 105 (6/10 kV) FULL INSULATION

Reference	Conductor		Insulation		Number of conductors	Outer Sheath		Total weight (kg/km)
	Nominal cross section (mm <sup>2</sup> )	Nominal diameter (mm)	Nominal thickness (mm)	Nominal diameter (mm)		Nominal thickness (mm)	Nominal diameter (mm)	
3715.01.013	16	4,8	3,4	12,8	1	1,4	18,2	396
3715.03.013					3	2,0	39,0	1.562
3715.01.014	25	6,0		14,0	1	1,4	19,4	450
3715.03.014					3	2,1	41,8	1.796
3715.01.015	35	7,1		15,1	1	1,4	20,5	502
3715.03.015					3	2,2	44,4	2.025
3715.01.016	50	8,3		16,3	1	1,5	21,9	574
3715.03.016					3	2,3	47,2	2.293
3715.01.017	70	9,9		17,9	1	1,5	23,5	669
3715.03.017					3	2,4	51,3	2.736
3715.01.018	95	11,8		19,8	1	1,6	25,6	797
3715.03.018					3	2,6	55,8	3.253
3715.01.019	120	13,2		21,2	1	1,6	27,0	898
3715.03.019					3	2,7	59,0	3.676
3715.01.020	150	14,8		22,8	1	1,7	28,8	1.023
3715.03.020					3	2,8	63,0	4.213
3715.01.022	240	18,5		26,5	1	1,8	32,7	1.381
3715.03.022					3	3,1	71,6	5.638
3715.01.023	300	20,5	28,5	1	1,9	34,9	1.607	
3715.03.023				3	3,2	76,2	6.481	
3715.01.024	400	23,3	31,3	1	2,0	37,9	1.923	
3715.03.024				3	3,5	82,8	7.759	
3715.01.025	500	26,2	34,2	1	2,1	41,0	2.309	
3715.03.025				3	3,7	89,5	9.245	