



CONSTRUCTION

- 1 **Conductor:** Bare aluminum, alloy 1350, circular compacted stranded (Class 2).
- 2 **Conductor Shield:** Semi-conducting thermoset compound.
- 3 **Insulation:** Ethylene propylene rubber (EPR) 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 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 ethylene propylene rubber (EPR, HEPR or EPR 105) extruded insulation for rated voltages from 1 kV to 35 kV – Requirements.

CABLE EPRONAX AL 105 (8.7/15 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)	
3717.01.014	25	6,0	4,5	16,2	1	1,5	21,8	544
3717.03.014					3	2,3	47,0	2.196
3717.01.015	35	7,1		17,3	1	1,5	22,9	601
3717.03.015					3	2,4	49,6	2.450
3717.01.016	50	8,3		18,5	1	1,5	24,1	668
3717.03.016					3	2,5	52,4	2.744
3717.01.017	70	9,9		20,1	1	1,6	25,9	781
3717.03.017					3	2,6	56,4	3.225
3717.01.018	95	11,8		22,0	1	1,7	28,0	919
3717.03.018					3	2,7	60,7	3.756
3717.01.019	120	13,2		23,4	1	1,7	29,4	1.026
3717.03.019					3	2,8	63,9	4.208
3717.01.020	150	14,8	25,0	1	1,8	31,2	1.159	
3717.03.020				3	3,0	68,2	4.813	
3717.01.021	185	16,3	26,5	1	1,8	32,7	1.302	
3717.03.021				3	3,1	71,6	5.401	
3717.01.022	240	18,5	28,7	1	1,9	35,1	1.534	
3717.03.022				3	3,3	76,8	6.318	
3717.01.023	300	20,5	30,7	1	2,0	37,3	1.770	
3717.03.023				3	3,4	81,3	7.203	
3717.01.024	400	23,3	33,5	1	2,1	40,3	2.100	
3717.03.024				3	3,6	87,8	8.503	
3717.01.025	500	26,2	36,4	1	2,2	43,4	2.499	
3717.03.025				3	3,8	94,4	10.048	