



CONSTRUCTION

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

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 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 SLIM 105 (8.7/15 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)	
3716.01.013	16	4,8	3,5	13,0	1	1,4	18,4	403
3716.03.013					3	2,0	39,5	1.591
3716.01.014	25	6,0	3,0	13,2	1	1,4	18,6	422
3716.03.014					3	2,1	40,1	1.675
3716.01.015	35	7,1	3,0	14,3	1	1,4	19,7	473
3716.03.015					3	2,1	42,5	1.877
3716.01.016	50	8,3	3,0	15,5	1	1,4	20,9	533
3716.03.016					3	2,2	45,3	2.136
3716.01.017	70	9,9	3,0	17,1	1	1,5	22,7	635
3716.03.017					3	2,4	49,5	2.586
3716.01.018	95	11,8	3,0	19,0	1	1,6	24,8	760
3716.03.018					3	2,5	53,8	3.065
3716.01.019	120	13,2	3,0	20,4	1	1,6	26,2	859
3716.03.019					3	2,6	57,1	3.477
3716.01.020	150	14,8	3,0	22,0	1	1,7	28,0	981
3716.03.020					3	2,8	61,3	4.027
3716.01.021	185	16,3	3,0	23,5	1	1,7	29,5	1.115
3716.03.021					3	2,9	64,8	4.573
3716.01.022	240	18,5	3,5	26,7	1	1,8	32,9	1.393
3716.03.022					3	3,1	72,1	5.691
3716.01.023	300	20,5	3,5	28,7	1	1,9	35,1	1.619
3716.03.023					3	3,3	76,8	6.573
3716.01.024	400	23,3	3,5	31,5	1	2,0	38,1	1.937
3716.03.024					3	3,5	83,2	7.821
3716.01.025	500	26,2	3,5	34,4	1	2,1	41,2	2.324
3716.03.025					3	3,7	89,9	9.313