



CONSTRUCTION

- 1 **Conductor:** Bare electrolytic copper conductor, soft temper, compacted circular stranded (Class 2).
- 2 **Conductor Shield:** Semi-conducting thermoset compound.
- 3 **Insulation:** EPR 105 °C thermoset compound.
- 4 **Insulation Shield:** Semi-conducting insulation shield, 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 tapes in the colors white, blue and red.

APPLICATION

The modern technology used in the manufacture of **EPRONAX 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 extruded ethylene propylene rubber insulation (EPR, HEPR or EPR 105) for rated voltages from 1 kV to 35 kV – Requirements.

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CABLE EPRONAX SLIM 105 (12/20 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)	
3706.01.013	16	4,80	5,2	16,4	1	1,5	22,0	633
3706.03.013					3	2,3	47,4	2.474
3706.01.014	25	6,00	4,7	16,6	1	1,5	22,2	710
3706.03.014					3	2,3	47,9	2.716
3706.01.015	35	7,10	4,0	16,3	1	1,5	21,9	773
3706.03.015					3	2,3	47,2	2.888
3706.01.016	50	8,30	4,0	17,5	1	1,5	23,1	912
3706.03.016					3	2,4	50,0	3.393
3706.01.017	70	9,60	4,0	18,8	1	1,5	24,4	1.139
3706.03.017					3	2,5	53,4	4.223
3706.01.018	95	11,3	4,0	20,5	1	1,6	26,3	1.406
3706.03.018					3	2,6	57,3	5.125
3706.01.019	120	12,7	4,0	21,9	1	1,7	27,9	1.670
3706.03.019					3	2,7	60,5	6.003
3706.01.020	150	13,8	4,0	23,0	1	1,7	29,0	1.941
3706.03.020					3	2,8	63,5	6.983
3706.01.021	185	15,5	4,0	24,7	1	1,8	30,9	2.319
3706.03.021					3	3,0	67,5	8.269
3706.01.022	240	18,4	4,5	28,6	1	1,9	35,0	2.978
3706.03.022					3	3,2	76,4	10.684
3706.01.023	300	20,5	4,5	30,7	1	2,0	37,3	3.591
3706.03.023					3	3,4	81,3	12.665
3706.01.024	400	23,3	4,5	33,5	1	2,1	40,3	4.424
3706.03.024					3	3,6	87,8	15.476
3706.01.025	500	26,4	4,5	36,6	1	2,2	43,6	5.583
3706.03.025					3	3,9	95,1	19.365