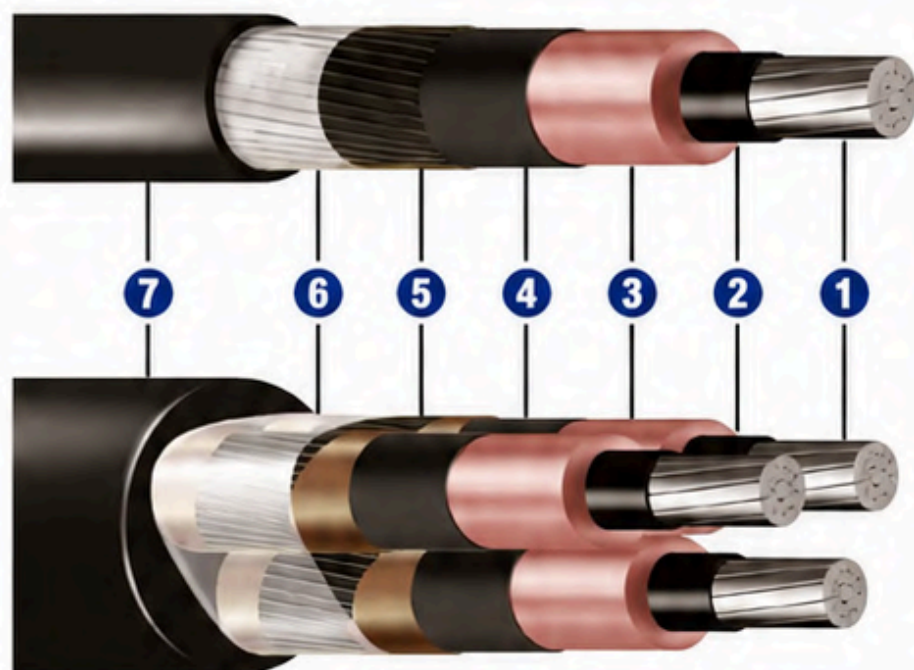


CABLE EPRONAX AL 105

20/35 kV

FULL INSULATION



CONSTRUCTION

- 1 Conductor:** Aluminum, 1350, circular compact stranded (Class 2)
- 2 Conductor Shield:** Thermosetting semiconducting compound.
- 3 Insulation:** Thermosetting rubber compound EPR 105 °C.
- 4 Insulation Shield:** Thermosetting semiconducting compound, 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 Sheath:** Polyvinyl chloride compound (PVC) ST2.

IDENTIFICATION

Cables with 3 conductors, core identification by color tapes in white, blue and red.

APPLICATION

The advanced technology used in the manufacture of **EPRONAX AL 105 CABLES** provides an excellent technical and economical alternative for power input and/or distribution circuits in residential or industrial buildings, substations, etc. They can be installed in the open air, in ducts, cable trays or directly buried.

PACKAGING

They are normally supplied on wooden reels.

STANDARDS

ABNT NBR 7286 Power cables with extruded ethylene propylene rubber insulation (EPR, HEPR or EPR 105) for voltages from 1 kV to 35 kV – Requirements.

Reference	Conductor		Insulation		Number of conductors	Sheath		Total Weight (kg/km)
	Nominal cross-sectional area (mm²)	Nominal diameter (mm)	Nominal thickness (mm)	Nominal diameter (mm)		Nominal thickness (mm)	Nominal diameter (mm)	
3723.01.016	50	8,3	8,8	23,1	1	1,8	33,3	1.164
3723.03.016					3	3,1	72,1	4.907
3723.01.017	70	9,9		24,7	1	1,9	35,1	1.309
3723.03.017					3	3,2	76,2	5.536
3723.01.018	95	11,8		26,6	1	2,0	37,2	1.482
3723.03.018					3	3,4	80,7	6.256
3723.01.019	120	13,2		28,0	1	2,0	38,6	1.613
3723.03.019					3	3,5	83,9	6.824
3723.01.020	150	14,8		29,6	1	2,1	40,4	1.777
3723.03.020					3	3,6	88,0	7.546
3723.01.021	185	16,3		31,1	1	2,1	41,9	1.946
3723.03.021					3	3,7	91,4	8.257
3723.01.022	240	18,5		33,3	1	2,2	44,3	2.219
3723.03.022					3	3,9	96,6	9.357
3723.01.023	300	20,5		35,3	1	2,3	46,5	2.493
3723.03.023					3	4,1	101	10.448
3723.01.024	400	23,3		38,1	1	2,4	49,5	2.874
3723.03.024					3	4,3	108	11.980
3723.01.025	500	26,2		41,0	1	2,5	52,6	3.327
3723.03.025					3	4,5	114	13.765