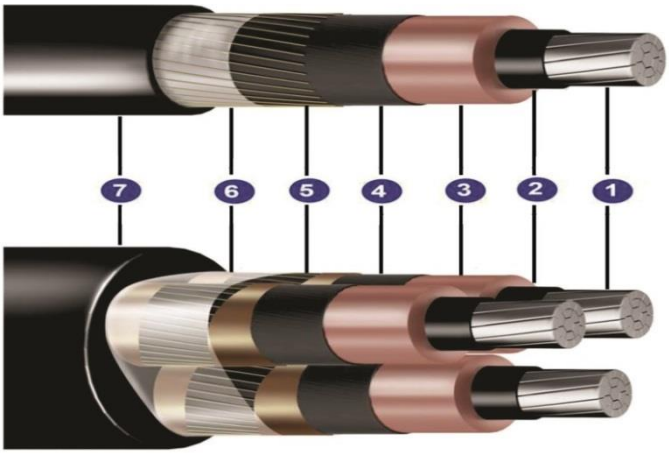
CABLE EPRONAX AL 105 6/10 kV

FULL INSULATION



CONSTRUCTION

1. **Conductor:** Bare aluminum, alloy 1350, compacted circular stranded conductor (Class 2).
2. **Conductor Screen:** Thermosetting semiconductive compound.
3. **Insulation:** Thermoset EPR 105 °C rubber compound.
4. **Insulation Screen:** Layer of thermosetting semiconductive compound, easily removable when cold.
5. **Metallic Screen:** Bare copper wires.
6. **Separator:** Non-hygroscopic polyester tape, helically applied to cover 100% of the cable.
7. **Outer Sheath:** PVC ST2 polyvinyl chloride compound.

IDENTIFICATION

For 3-conductor cables, the cores are identified by white, blue and red tapes.

APPLICATION

Modern technology used to manufacture EPRONAX AL 105 cables provides an excellent technical and economical option for incoming and/or distribution circuits in residential or industrial buildings, substations and similar facilities. These cables may be installed outdoors, in conduits, cable channels or trays, or directly buried.

PACKAGING

Normally supplied on wooden reels.

SPECIFICATIONS

ABNT NBR 7286 - Power cables with extruded ethylene-propylene rubber (EPR, HEPR or EPR 105) insulation for 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 (mm²)	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