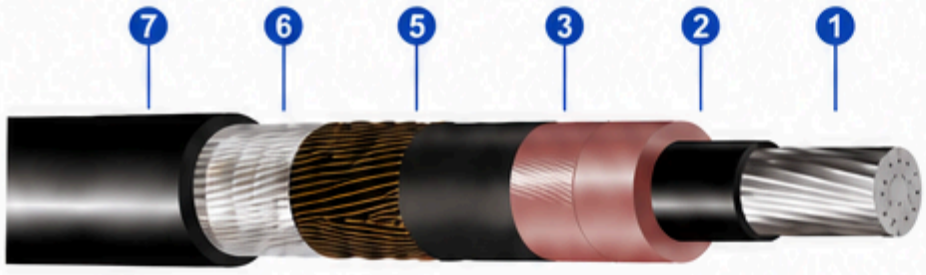
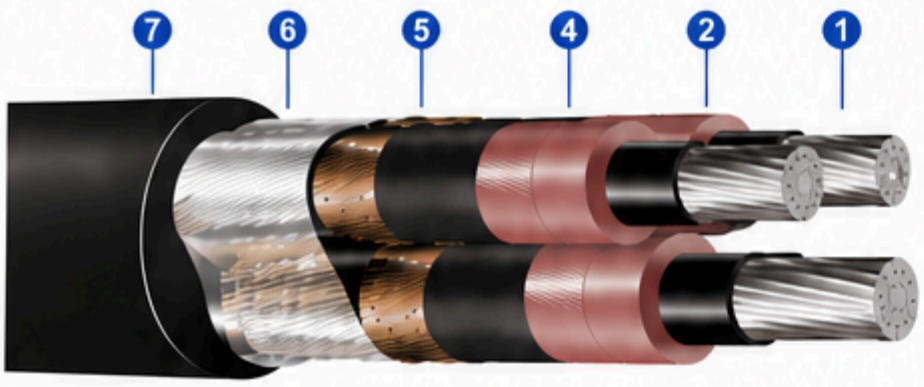
CABLE ATOX AL SLIM 90
3.6/6 kV
COORDINATED INSULATION

Single



Three-core (Multiple)



CONSTRUCTION

1. **Conductor:** Bare aluminum, alloy 1350, compacted circular stranded (Class 2).
2. **Conductor Shield:** Semi-conducting thermoset compound – 90 °C.
3. **Insulation:** HEPR thermoset compound – High modulus.
4. **Insulation Shield:** Semi-conducting thermoset compound, easy to remove.
5. **Metallic Shield:** Bare copper wires.
6. **Flame blocking**.
7. **Outer Sheath:** Thermoplastic compound, halogen-free, flame retardant (LSHF), low smoke and low toxic gas emission.

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 **ATOX AL SLIM 90 CABLES,** provides an excellent technical and also very economical alternative for electrical installations of buildings where there is a large concentration of people (examples: airports, tunnels, commercial buildings such as hotels, cinemas, shopping centers, hospitals, residential buildings) and that in case of fire, evacuation of the site is long and difficult, areas classified as BD2, BD3 and BD4, by NBR 5410 and NBR 13570. They can be installed outdoors, in conduits, ducts, trays or directly buried.

PACKAGING

They are normally supplied on wooden drums.

STANDARDS

ATOX AL SLIM CABLES for medium voltage comply with **NBR 16132**.

CABLE ATOX AL SLIM 90 (3.6/6 kV) COORDINATED 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)	
3736.01.012	10	3,8	2,5	10,0	1	1,4	15,4	300
3736.03.012					3	1,8	32,6	1140
3736.01.013	16	4,8		11,0	1	1,4	16,4	338
3736.03.013					3	1,9	35,0	1302
3736.01.014	25	6,0		12,2	1	1,4	17,6	388
3736.03.014					3	2,0	37,7	1515
3736.01.015	35	7,1		13,3	1	1,4	18,7	437
3736.03.015					3	2,1	40,3	1725
3736.01.016	50	8,3		14,5	1	1,4	19,9	495
3736.03.016					3	2,2	43,1	1973
3736.01.017	70	9,9		16,1	1	1,5	21,7	594
3736.03.017					3	2,3	47,2	2385
3736.01.018	95	11,8		18,0	1	1,5	23,6	704
3736.03.018					3	2,4	51,5	2845
3736.01.019	120	13,2		19,4	1	1,6	25,2	811
3736.03.019					3	2,5	54,7	3244
3736.01.020	150	14,8		21,0	1	1,6	26,8	918
3736.03.020					3	2,7	59,0	3775
3736.01.021	185	16,3		22,5	1	1,7	28,5	1062
3736.03.021					3	2,8	62,4	4306
3736.01.022	240	18,5	2,8	25,3	1	1,8	31,5	1310
3736.03.022					3	3,0	68,8	5290
3736.01.023	300	20,5		27,3	1	1,8	33,5	1515
3736.03.023					3	3,2	73,6	6144
3736.01.024	400	23,3		30,1	1	1,9	36,5	1823
3736.03.024					3	3,4	80,0	7354
3736.01.025	500	26,2		33,0	1	2,0	39,6	2201
3736.03.025					3	3,6	86,7	8808