



- 1 Conductor:** Bare aluminum, 1350, compacted circular stranded, class 2.
- 2 Conductor Shield:** Thermosetting semiconducting compound – 90°C.
- 3 Insulation:** Thermosetting compound (HEPR) – High Modulus.
- 4 Insulation Shield:** Thermosetting semiconducting compound, easy cold stripping.
- 5 Metallic Shield:** Bare copper wires.
- 6 Flame Retardant Layer.**
- 7 Jacket:** Thermoplastic, non-halogen, flame retardant (LSHF), with low smoke and toxic gas emission.

IDENTIFICATION

Cables with 3 conductors, identified by colored ribbons in white, blue and red.

APPLICATION

The modern technology used in the manufacturing of **ATOX AL SLIM 90 CABLES** provides an excellent technical and highly economical solution for power installations in buildings where there is a large concentration of people (e.g.: airports, tunnels, commercial buildings such as hotels, cinemas, shopping centers, hospitals, residential buildings) and where, in the event of a fire, evacuation is long and difficult. These areas are classified as BD2, BD3 and BD4 according to NBR 5410 and NBR 13570.

They can be installed outdoors, in conduits, ducts, trays or directly buried.

PACKAGING

Normally supplied on wooden reels.

SPECIFICATIONS

ATOX AL SLIM AL medium voltage cables comply with NBR 16132.

ATOX AL SLIM 90 CABLE (3,6/6 kV) COORDINATED INSULATION

Reference	Conductor		Insulation		Number of Conductors	Jacket		Total Weight (kg/km)		
	Nominal Cross-sectional Area (mm ²)	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		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	