



- 1 Conductor:** Bare aluminum, alloy 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 stripping.
- 5 Metallic Shield:** Bare copper wires.
- 6 Flame Barrier:** Flame blocking layer.
- 7 Jacket:** Thermoplastic compound, halogen-free, flame retardant (LSHF), with low smoke and toxic gas emission.

IDENTIFICATION

Cables with 3 conductors, identified by colored ribbons in the following colors: white, blue and red.

APPLICATION

The modern technology used in the manufacturing of **ATOX AL SLIM 90 CABLES** provides an excellent technical and economical solution for electrical installations in buildings with high concentration of people, such as:

- Airports
- Tunnels
- Commercial buildings (hotels, cinemas, shopping centers)
- Hospitals
- Residential buildings

In case of fire, evacuation in these locations 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, on trays or directly buried.

PACKAGING

Normally supplied on wooden reels.

SPECIFICATIONS

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

ATOX AL SLIM 90 CABLE (15/25 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)	
3744.01.015	35	7,1	6,2	20,7	1	1,6	26,5	768
3744.03.015					3	2,6	57,3	3172
3744.01.016	50	8,3	5,5	20,5	1	1,6	26,3	773
3744.03.016					3	2,6	56,9	3174
3744.01.017	70	9,9	5,5	22,1	1	1,7	28,1	894
3744.03.017					3	2,7	60,9	3689
3744.01.018	95	11,8	5,5	24,0	1	1,7	30,0	1026
3744.03.018					3	2,9	65,4	4285
3744.01.019	120	13,2	5,5	25,4	1	1,8	31,6	1153
3744.03.019					3	3,0	68,7	4764
3744.01.020	150	14,8	5,5	27,0	1	1,8	33,2	1278
3744.03.020					3	3,1	72,7	5373
3744.01.021	185	16,3	5,5	28,5	1	1,9	34,9	1443
3744.03.021					3	3,2	76,2	5989
3744.01.022	240	18,5	5,5	29,7	1	1,9	36,1	1600
3744.03.022					3	3,3	78,9	6610
3744.01.023	300	20,5	5,0	31,7	1	2,0	38,3	1840
3744.03.023					3	3,5	83,7	7550
3744.01.024	400	23,3	5,0	34,5	1	2,1	41,3	2175
3744.03.024					3	2,7	90,1	8878
3744.01.025	500	26,2	5,0	37,4	1	2,2	44,4	2580
3744.03.025					3	3,9	96,8	10452

Normally supplied on wooden reels.