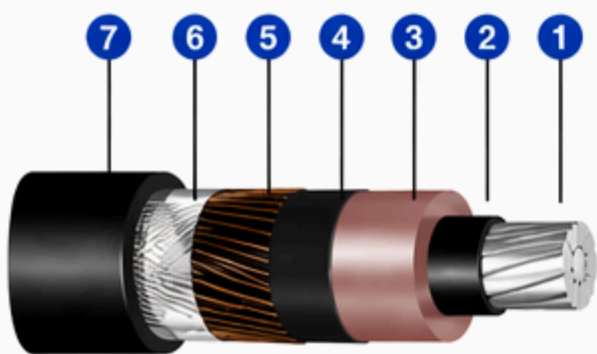
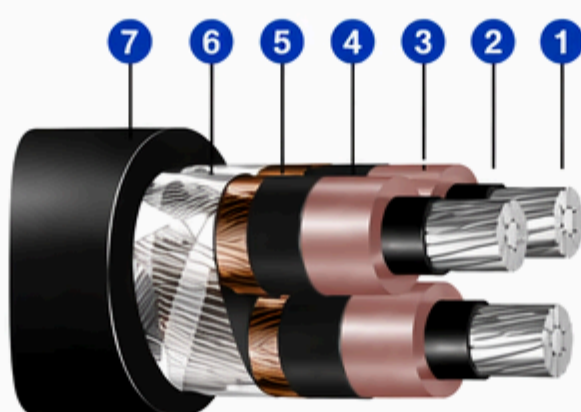


Single-core



Three-core



CONSTRUCTION

- 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: 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, in 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 (20/35 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)	
3746.01.016	50	8,3	8,2	25,9	1	1,8	32,1	1091
3746.03.016					3	3,0	69,3	4558
3746.01.017	70	9,9	7,5	26,1	1	1,8	32,3	1131
3746.03.017					3	3,0	70,2	4757
3746.01.018	95	11,8	7,5	28,0	1	1,9	34,4	1294
3746.03.018					3	3,2	74,7	5428
3746.01.019	120	13,2	7,5	29,4	1	1,9	35,8	1417
3746.03.019					3	3,3	77,9	5961
3746.01.020	150	14,8	7,5	31,0	1	2,0	37,6	1572
3746.03.020					3	3,4	82,0	6639
3746.01.021	185	16,3	7,5	30,5	1	2,0	37,1	1592
3746.03.021					3	3,4	80,9	6650
3746.01.022	240	18,5	7,5	32,7	1	2,0	39,3	7652
3746.03.022					3	3,6	86,0	7652
3746.01.023	300	20,5	6,5	34,7	1	2,1	41,5	2079
3746.03.023					3	3,7	90,5	8612
3746.01.024	400	23,3	6,5	37,5	1	2,2	44,5	2432
3746.03.024					3	3,9	97,0	10019
3746.01.025	500	26,2	6,5	40,4	1	2,3	47,6	2856
3746.03.025					3	4,1	104	11675