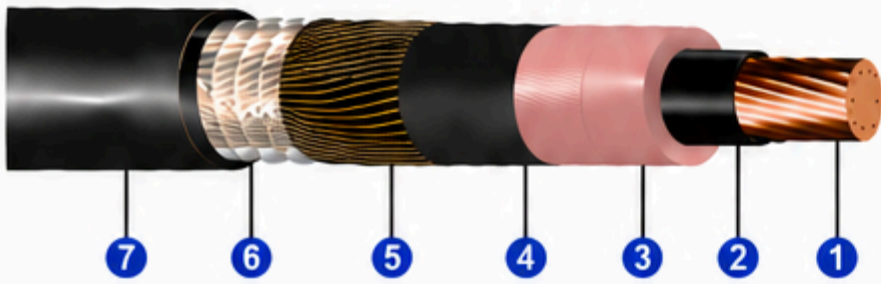


CABLE ATOX SLIM 90

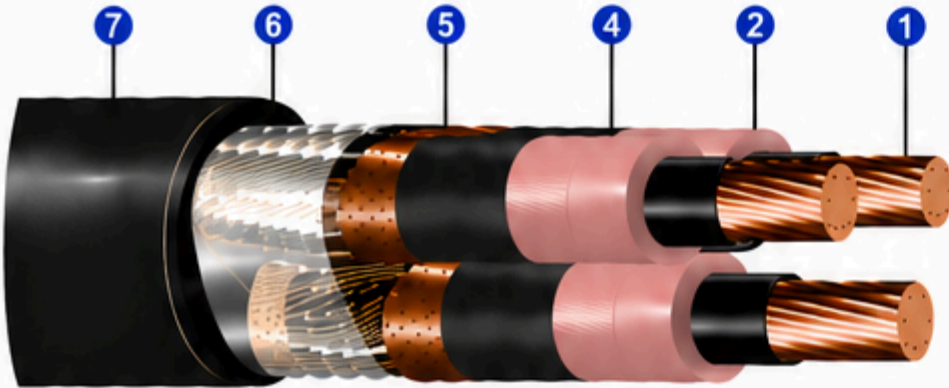
3.6/6 kV

COORDINATED INSULATION

Single



Three-core (Multiple)



CONSTRUCTION

- 1 **Conductor:** Bare electrolytic copper conductor, soft temper, compacted circular stranded (Class 2).
- 2 **Conductor Shield:** Semi-conducting thermoset compound.
- 3 **Insulation:** High modulus EPR 90 °C thermoset compound.
- 4 **Insulation Shield:** Semi-conducting insulation shield, easy to remove when cold.
- 5 **Metallic Shield:** Bare copper wires.
- 6 **Separator:** Non-hygroscopic polyester tape, applied helicallly covering 100% of the cable.
- 7 **Outer Sheath:** Halogen-free thermoplastic compound (SHF1), flame retardant, low smoke and low toxic gas emission.

IDENTIFICATION

Cables with 3 conductors, cores identification by means of tapes in the colors white, blue and red.

APPLICATION

The modern technology used in the manufacture of **Atox Slim 90** cables provides an excellent technical and also very economical alternative for electrical installations in buildings where there is a large concentration of people (such as airports, tunnels, hospitals, residential and commercial buildings such as hotels, cinemas, shopping centers, theaters) and where, in the event of a fire, evacuation of the area is long and difficult (areas classified as **BD2**, **BD3** and **BD4**, according to **ABNT NBR 5410** and **ABNT NBR 13570**). They can be installed outdoors, in conduits, ducts, trays or directly buried.

PACKAGING

They are normally supplied on wooden drums.

PACKAGING

They are normally supplied on wooden drums.

STANDARDS

ABNT NBR 16132 Power cables, non-halogenated, low smoke emission, insulated and sheathed, for rated voltages from 3 kV to 35 kV – Performance requirements.

CABLE ATOX SLIM 90 (3,6/6 kV)

Reference	Conductor		Insulation		Number of conductors	Outer sheath		Total weight (kg/km)		
	Nominal cross section (mm ²)	Nominal diameter (mm)	Nominal thickness (mm)	Nominal diameter (mm)		Nominal thickness (mm)	Nominal diameter (mm)			
3724.01.012	10	3,80	2,5	10,0	1	1,4	15,5	388		
3724.03.012					3	1,8	33,3	1.469		
3724.01.013	16	4,80			11,0	1	1,4	16,5	455	
3724.03.013						3	1,9	35,7	1.729	
3724.01.014	25	6,00				12,2	1	1,4	17,7	564
3724.03.014							3	2,0	38,5	2.126
3724.01.015	35	7,10		13,3			1	1,4	18,8	677
3724.03.015							3	2,1	41,0	2.539
3724.01.016	50	8,30			14,5		1	1,4	19,8	805
3724.03.016							3	2,2	43,4	2.998
3724.01.017	70	9,60				15,8	1	1,4	21,3	1.029
3724.03.017							3	2,3	46,7	3.776
3724.01.018	95	11,3	17,5	1			1,5	23,2	1.288	
3724.03.018				3			2,4	50,7	4.653	
3724.01.019	120	12,7		18,9	1		1,6	24,8	1.544	
3724.03.019					3		2,5	53,9	5.505	
3724.01.020	150	13,8			20,0	1	1,6	25,9	1.810	
3724.03.020						3	2,6	56,9	6.461	
3724.01.021	185	15,5	21,7			1	1,7	27,8	2.178	
3724.03.021						3	2,7	60,8	7.686	
3724.01.022	240	18,4		25,2		1	1,8	31,1	2.782	
3724.03.022						3	3,0	68,1	9.808	
3724.01.023	300	20,5			27,3	1	1,9	33,8	3.392	
3724.03.023						3	3,2	73,9	11.891	
3724.01.024	400	23,3	30,1			1	1,9	36,6	4.192	
3724.03.024						3	3,4	80,3	14.645	
3724.01.025	500	26,4		33,2		1	2,1	40,1	5.349	
3724.03.025						3	3,6	87,4	18.429	