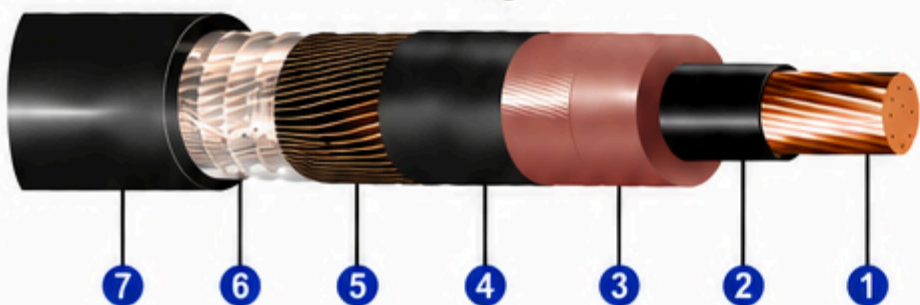


CABLE ATOX SLIM 90

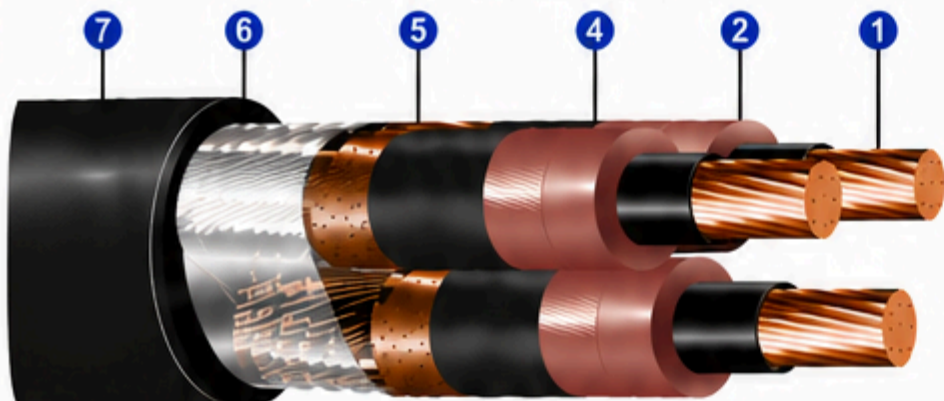
6/10 kV

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 insulation.
- 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 helically 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 (example: airports, tunnels, hospitals, residential and commercial buildings such as: hotels, cinemas, shopping centers, theatres) and that, in case of fire, the evacuation of the place is long and difficult (areas classified as BD2, BD3 and BD4, according to ABNT NBR 5410 and ABNT NBR 13570 standards). 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-halogen with low smoke emission, insulated, with sheath, for rated voltages from 3 kV to 35 kV – Performance requirements.

CABLE ATOX SLIM 90 (6/10 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)			
3726.01.013	16	4,80	2,5	11,0	1	1,4	16,5	455		
3726.03.013					3	1,9	35,7	1.729		
3726.01.014	25	6,00			12,2	1	1,4	17,7	564	
3726.03.014						3	2,0	38,5	2.126	
3726.01.015	35	7,10				13,3	1	1,4	18,8	677
3726.03.015							3	2,1	41,0	2.539
3726.01.016	50	8,30		14,5			1	1,4	19,8	805
3726.03.016							3	2,2	43,4	2.998
3726.01.017	70	9,60			15,8		1	1,4	21,3	1.029
3726.03.017							3	2,3	46,7	3.776
3726.01.018	95	11,3				17,5	1	1,5	23,2	1.288
3726.03.018							3	2,4	50,7	4.653
3726.01.019	120	12,7		18,9			1	1,6	24,8	1.544
3726.03.019							3	2,5	53,9	5.505
3726.01.020	150	13,8			20,0		1	1,6	25,9	1.810
3726.03.020							3	2,6	56,9	6.461
3726.01.021	185	15,5				21,7	1	1,7	27,8	2.178
3726.03.021							3	2,7	60,8	7.686
3726.01.022	240	18,4		25,2			1	1,8	31,1	2.782
3726.03.022							3	3,0	68,1	9.808
3726.01.023	300	20,5			27,3		1	1,9	33,8	3.392
3726.03.023							3	3,2	73,9	11.891
3726.01.024	400	23,3				30,1	1	1,9	36,6	4.192
3726.03.024							3	3,4	80,3	14.645
3726.03.025	500	26,4	33,2	1			2,1	41,1	5.349	
				3			3,6	87,4	18.429	