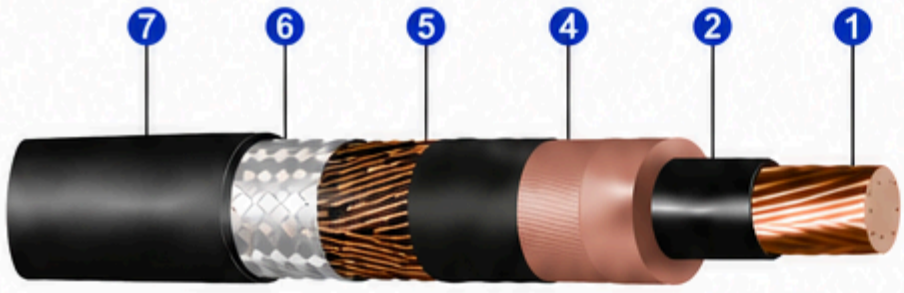
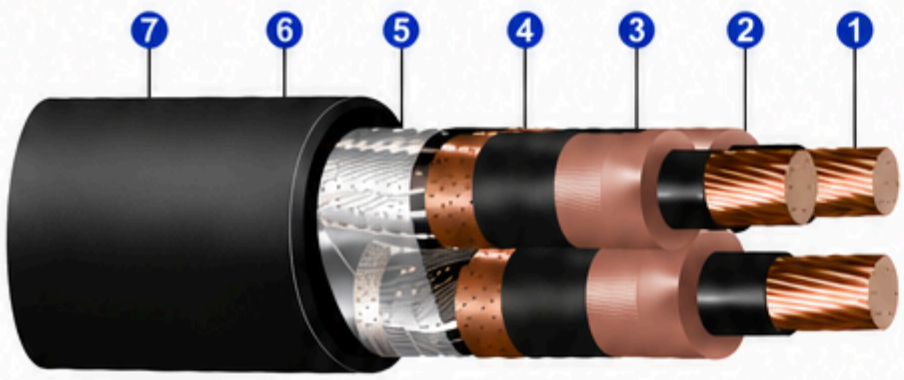
CABLE ATOX SLIM 90
8.7/15 kV
COORDINATED INSULATION

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 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 (such as: airports, tunnels, hospitals, residential and commercial buildings such as: hotels, cinemas, shopping centers, theatres) and in case of fire, evacuation of the place 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, troughs, trays or directly buried.

PACKAGING

They are normally supplied on wooden drums.

STANDARDS

ABNT NBR 16132 Power cables, halogen-free, low smoke emission, insulated, with sheath, for rated voltages from 3 kV to 35 kV – Performance requirements.

CABLE ATOX SLIM 90 (8.7/15 kV)

Reference	Conductor		Insulation		Number of conductors	Outer Sheath		Total Weight (kg/km)
	Nominal Cross Section (mm²)	Nominal Diameter (mm)	Nominal Thickness (mm)	Nominal Diameter (mm)		Nominal Thickness (mm)	Nominal Diameter (mm)	
3728.01.013	16	4,80	3,5	11,0	1	1,4	18,5	522
3728.03.013					3	2,1	40,4	2.060
3728.01.014	25	6,00	3,0	13,2	1	1,4	18,7	598
3728.03.014					3	2,1	40,6	2.298
3728.01.015	35	7,10		14,5	1	1,4	19,8	713
3728.03.015					3	2,2	43,4	2.722
3728.01.016	50	8,30		15,3	1	1,4	20,8	844
3728.03.016					3	2,2	45,6	3.170
3728.01.017	70	9,60		16,8	1	1,5	22,5	1.081
3728.03.017					3	2,4	49,1	3.984
3728.01.018	95	11,3		18,5	1	1,5	24,2	1.332
3728.03.018					3	2,5	53,1	4.878
3728.01.019	120	12,7		19,9	1	1,6	25,8	1.591
3728.03.019					3	2,6	56,3	5.744
3728.01.020	150	13,8		21,0	1	1,6	26,9	1.859
3728.03.020					3	2,7	59,3	6.714
3728.01.021	185	15,5		22,7	1	1,7	28,8	2.231
3728.03.021					3	2,8	63,1	7.955
3728.01.022	240	18,4	3,5	26,6	1	1,8	32,5	2.866
3728.03.022					3	3,1	71,3	10.219
3728.01.023	300	20,5		28,7	1	1,9	35,2	3.483
3728.03.023					3	3,3	77,1	12.336
3728.01.024	400	23,3		31,5	1	2,0	38,2	4.307
3728.03.024					3	3,5	83,6	15.128
3728.01.025	500	26,4		34,6	1	2,1	41,5	5.456
3728.03.025					3	3,7	90,7	18.954

Nominal values, subject to manufacturing tolerance.