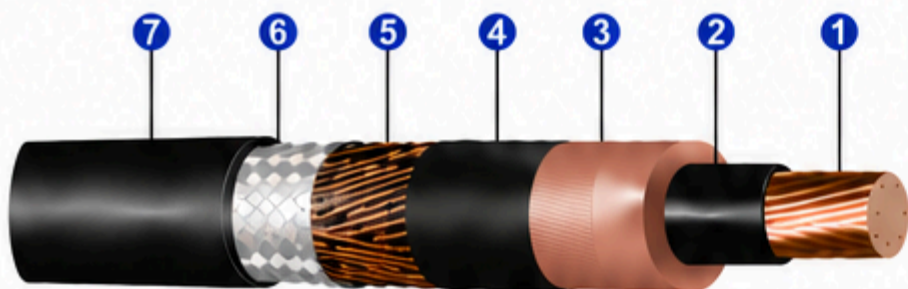
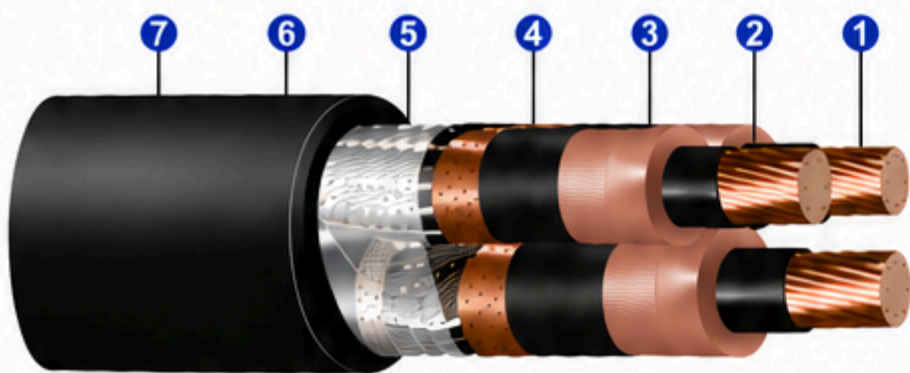


Single



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 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 90 (15/25 kV)

Reference	Conductor		Insulation		Number of conductors	Outer Sheath		Total Weight (kg/km)
	Nominal Cross Section (mm <sup>2</sup> )	Nominal Diameter (mm)	Nominal Thickness (mm)	Nominal Diameter (mm)		Nominal Thickness (mm)	Nominal Diameter (mm)	
3733.01.016	50	8,30	6,8	23,1	1	1,7	29,0	1.235
3733.03.016					3	2,6	58,0	679
3733.01.017	70	9,60		24,4	1	1,7	30,5	1.483
3733.03.017					3	2,6	57,2	669
3733.01.018	95	11,3		26,1	1	1,8	32,4	1.776
3733.03.018					3	2,7	60,5	735
3733.01.019	120	12,7		27,5	1	1,9	34,0	2.060
3733.03.019					3	2,9	64,7	844
3733.01.020	150	13,8		28,6	1	1,9	35,1	2.345
3733.03.020					3	3,0	67,9	917
3733.01.021	185	15,5		30,3	1	2,0	37,0	2.746
3733.03.021					3	3,1	70,9	990
3733.01.022	240	18,4	33,2	1	2,0	39,5	3.344	
3733.03.022				3	3,2	74,7	1.079	
3733.01.023	300	20,5	35,3	1	2,1	42,2	3.996	
3733.03.023				3	3,3	78,2	1.165	
3733.01.024	400	23,3	38,1	1	2,2	45,2	4.860	
3733.03.024				3	3,7	90,4	1.512	
3733.01.025	500	26,4	41,2	1	2,3	48,5	6.052	
3733.03.025				3	3,9	97,5	1.721	

Nominal values, subject to manufacturing tolerance.