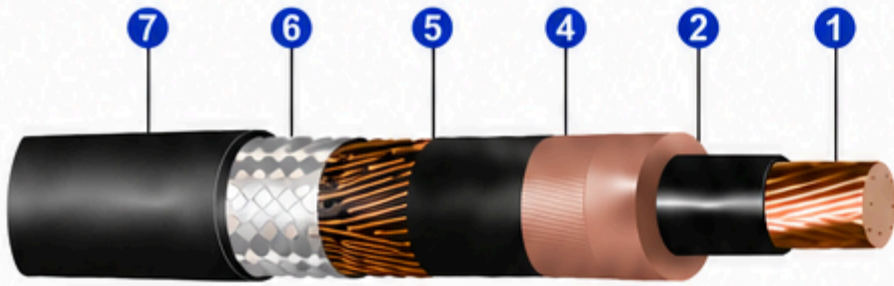
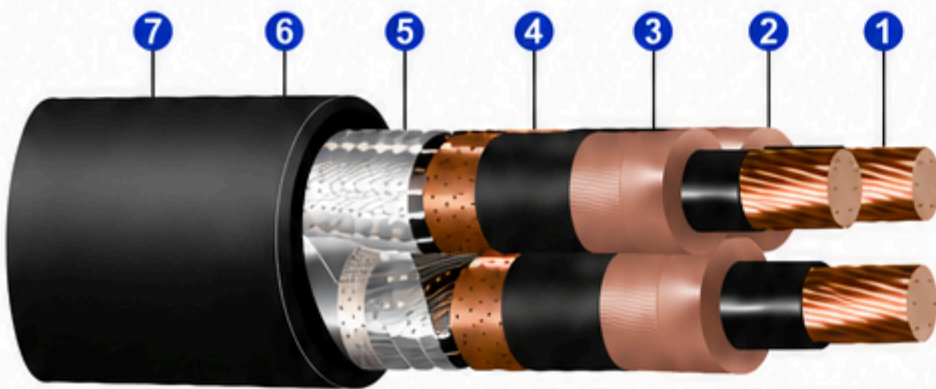


Single



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, theaters) 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 (20/35 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)	
3735.01.016	50	8,30	8,8	27,1	1	1,8	33,2	1.483
3735.03.016					3	3,1	72,4	6.066
3735.01.017	70	9,60		28,4	1	1,9	34,9	1.759
3735.03.017					3	3,2	75,8	7.019
3735.01.018	95	11,3		30,1	1	1,9	36,6	2.050
3735.03.018					3	3,4	79,9	8.144
3735.01.019	120	12,7		31,5	1	2,0	38,2	2.347
3735.03.019					3	3,5	83,2	9.168
3735.01.020	150	13,8		32,6	1	2,0	39,3	2.640
3735.03.020					3	3,6	86,1	10.290
3735.01.021	240	15,5		37,2	1	2,1	41,2	3.057
3735.03.022					3	3,9	95,8	13.965
3735.01.023	300	20,5	39,3	1	2,3	46,6	4.369	
3735.03.023				3	4,1	102	16.342	
3735.01.024	400	23,3	42,1	1	2,4	49,6	5.258	
3735.03.024				3	4,3	108	19.421	
3735.01.025	500	26,4	45,2	1	2,5	52,9	6.477	
3735.03.025				3	4,5	115	23.564	

Nominal values, subject to manufacturing tolerance.