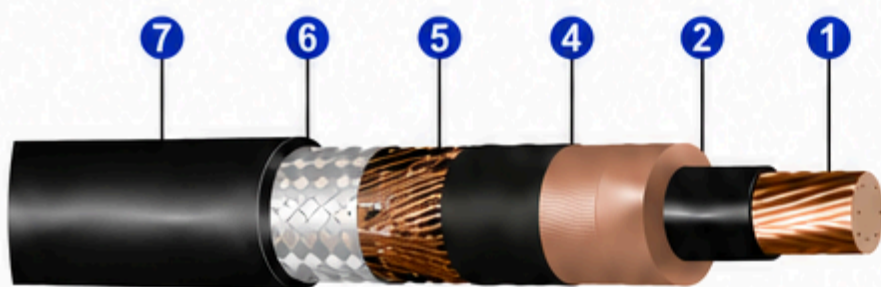


CABLE ATOX SLIM 90

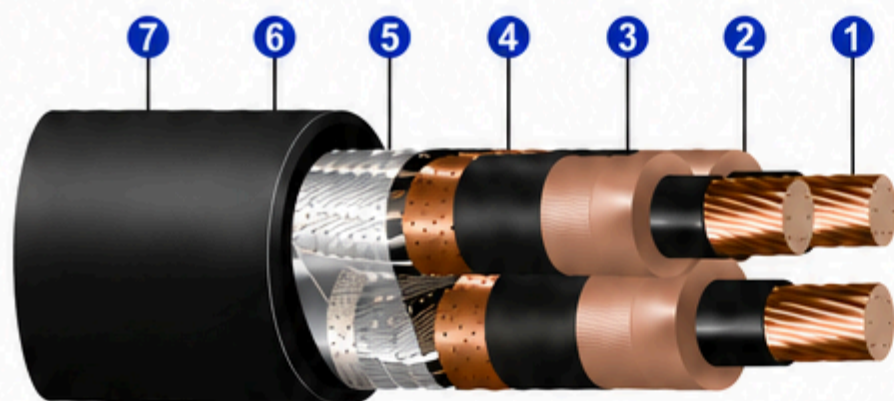
20/35 kV

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 standards). 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 (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)	
3734.01.016	50	8,30	8,2	25,9	1	1,8	32,0	1.409
3734.03.016					3	3,0	69,6	5.703
3734.01.017	70	9,60	7,5	25,8	1	1,8	32,1	1.580
3734.03.017					3	3,0	69,7	6.220
3734.01.018	95	11,3	7,5	27,5	1	1,9	34,0	1.879
3734.03.018					3	3,2	73,9	7.298
3734.01.019	120	12,7	7,5	28,9	1	1,9	35,4	2.151
3734.03.019					3	3,3	77,1	8.287
3734.01.020	150	13,8	6,5	30,0	1	1,9	36,5	2.438
3734.03.020					3	3,4	80,1	9.374
3734.01.021	185	15,5	6,5	29,7	1	1,9	36,2	2.688
3734.03.021					3	3,3	79,3	10.054
3734.01.022	240	18,4	6,5	32,6	1	2,0	38,9	3.300
3734.03.022					3	3,5	85,1	12.183
3734.01.023	300	20,5	6,5	34,7	1	2,1	41,6	3.949
3734.03.023					3	3,7	90,9	14.446
3734.01.024	400	23,3	6,5	37,5	1	2,2	44,6	4.810
3734.03.024					3	3,9	97,3	17.399
3734.01.025	500	26,4	6,5	40,6	1	2,3	47,9	5.998
3734.03.025					3	4,2	105	21.452