CABLE ATOX AL SLIM 90 3,6/6kV

COORDINATED INSULATION

Single



Multi



CONSTRUCTION

1. **Conductor:** Bare 1350 aluminum, compacted circular stranded conductor, Class 2.
2. **Conductor Screen:** Thermoset semiconductive compound - 90 °C.
3. **Insulation:** High-modulus thermosetting compound (HEPR).
4. **Insulation Screen:** Easy-to-remove thermoset semiconductive compound.
5. **Metallic Screen:** Bare copper wires.
6. **Flame-blocking layer.**
7. **Outer Sheath:** Halogen-free, flame-retardant thermoplastic compound (LSHF), with low emission of smoke and toxic gases.

IDENTIFICATION

Three-core cables are identified by white, blue and red marking tapes.

APPLICATION

The modern technology used to manufacture ATOX AL SLIM 90 cables provides an excellent technical and economical alternative for electrical installations in buildings with large concentrations of people (such as airports, tunnels, hotels, cinemas, shopping centers, hospitals and residential buildings), where evacuation during a fire may be slow and difficult. These areas are classified as BD2, BD3 and BD4 under NBR 5410 and NBR 13570. The cables can be installed outdoors, in conduits, cable channels, cable trays or directly buried.

PACKAGING

Normally supplied on wooden reels.

SPECIFICATIONS

ATOX SLIM AL medium-voltage cables comply with NBR 16132.

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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)	
3736.01.012	10	3,8	2,5	10,0	1	1,4	15,4	300
3736.03.012					3	1,8	32,6	1140
3736.01.013	16	4,8		11,0	1	1,4	16,4	338
3736.03.013					3	1,9	35,0	1302
3736.01.014	25	6,0		12,2	1	1,4	17,6	388
3736.03.014					3	2,0	37,7	1515
3736.01.015	35	7,1		13,3	1	1,4	18,7	437
3736.03.015					3	2,1	40,3	1725
3736.01.016	50	8,3		14,5	1	1,4	19,9	495
3736.03.016					3	2,2	43,1	1973
3736.01.017	70	9,9		16,1	1	1,5	21,7	594
3736.03.017					3	2,3	47,2	2385
3736.01.018	95	11,8		18,0	1	1,5	23,6	704
3736.03.018					3	2,4	51,5	2845
3736.01.019	120	13,2		19,4	1	1,6	25,2	811
3736.03.019					3	2,5	54,7	3244
3736.01.020	150	14,8		21,0	1	1,6	26,8	918
3736.03.020					3	2,7	59,0	3775
3736.01.021	185	16,3		22,5	1	1,7	28,5	1062
3736.03.021					3	2,8	62,4	4306
3736.01.022	240	18,5	2,8	25,3	1	1,8	31,5	1310
3736.03.022					3	3,0	68,8	5290
3736.01.023	300	20,5		27,3	1	1,8	33,5	1515
3736.03.023					3	3,2	73,6	6144
3736.01.024	400	23,3		30,1	1	1,9	36,5	1823
3736.03.024					3	3,4	80,0	7354
3736.01.025	500	26,2		33,0	1	2,0	39,6	2201
3736.03.025					3	3,6	86,7	8808