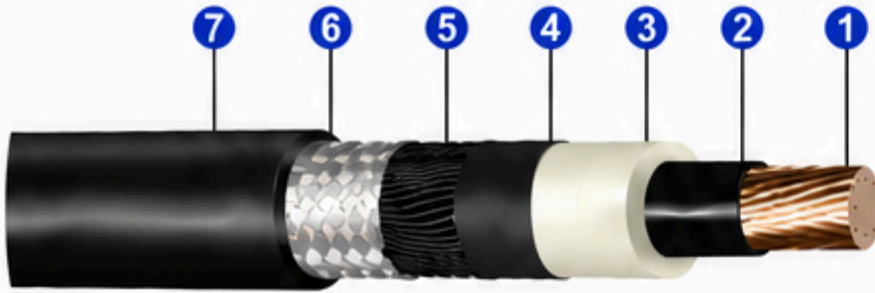
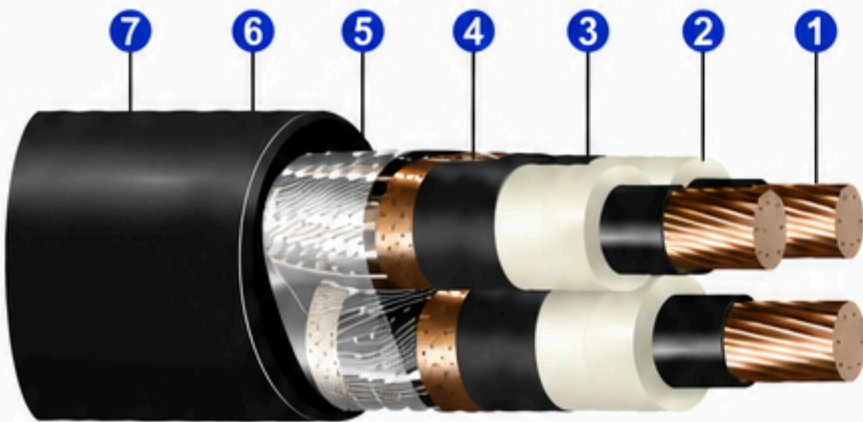


# CABLE ECOPOWER SLIM 105 (8.7/15 kV)

Single



Three-core (Multiple)



## CONSTRUCTION

- 1 Conductor:** Bare electrolytic copper or pure aluminum conductor, soft temper, compacted circular stranded (Class 2).
- 2 Conductor Shield:** Semi-conducting thermoset compound.
- 3 Insulation:** Lead-free EPR 105 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:** Lead-free PVC ST2 compound.

## 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 **MEDIUM VOLTAGE ECOPOWER SLIM 105 CABLES** provides an excellent technical and economical alternative for service entrance circuits in residential or industrial buildings, substations and other power supply and/or distribution circuits. They can be installed outdoors, in conduits, troughs, trays or directly buried, in dry or wet locations.

## PACKAGING

They are normally supplied on wooden drums.

## STANDARDS

**ABNT NBR 7286** – Power cables with extruded ethylene propylene rubber insulation (EPR, HEPR or EPR 105) for rated voltages from 1 kV to 35 kV – Performance requirements.

## CABLE ECOPOWER SLIM 105 8.7/15 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)			
3854.01.014	25	6	3	13,2	1	1,4	18,6	572		
3854.03.014					3	2,1	40,1	2.125		
3854.01.015	35	7,1			14,3	1	1,4	19,7	686	
3854.03.015						3	2,1	42,5	2.517	
3854.01.016	50	8,1				15,3	1	1,4	20,7	815
3854.03.016							3	2,2	44,8	2.974
3854.01.017	70	9,55		16,8			1	1,5	22,4	1.051
3854.03.017							3	2,3	48,6	3.791
3854.01.018	95	11,3			18,5		1	1,5	24,1	1.301
3854.03.018							3	2,5	52,8	4.691
3854.01.019	120	12,7				19,9	1	1,6	25,7	1.558
3854.03.019							3	2,6	56	5.543
3854.01.020	150	13,8	21	1			1,6	26,8	1.825	
3854.03.020				3			2,7	59	6.498	
3854.01.021	185	15,5		22,7	1		1,7	28,7	2.195	
3854.03.021					3		2,8	62,8	7.722	
3854.01.022	240	18			26,2	1	1,8	32,4	2.826	
3854.03.022						3	3,1	71	9.947	
3854.01.023	300	20,5	28,7			1	1,9	35,1	3.440	
3854.03.023						3	3,3	76,8	12.035	
3854.01.024	400	23,3		31,5		1	2	38,1	4.261	
3854.03.024						3	3,5	83,2	14.794	
3854.01.025	500	26,4			34,6	1	2,1	41,4	5.406	
3854.03.025						3	3,7	90,3	18.583	

Nominal values, subject to manufacturing tolerance.

\* Metallic shield cross section upon request.