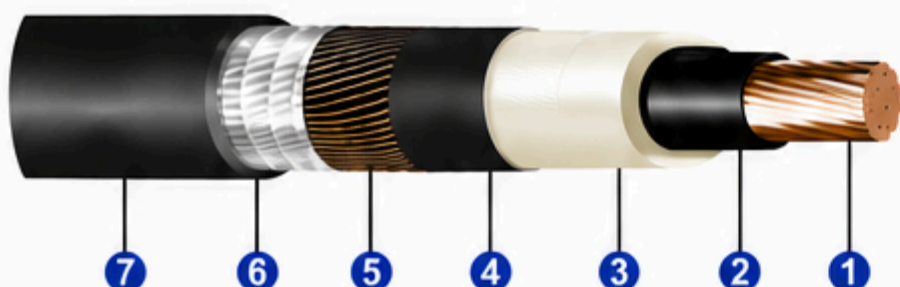
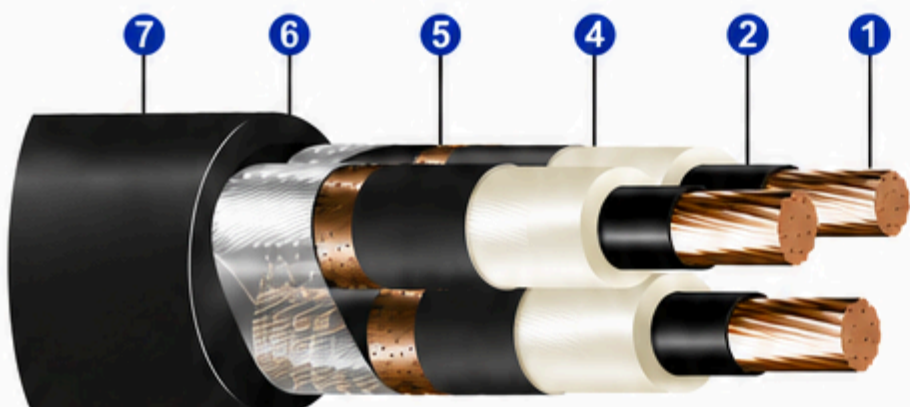


Single



Three-core (Multiple)



CONSTRUCTION

- 1 **Conductor:** Bare electrolytic copper, soft temper, or pure aluminum, compacted circular stranded (Class 2).
- 2 **Conductor Shield:** Semi-conducting thermoset compound.
- 3 **Insulation:** Lead-free EPR 105 thermoset rubber compound (105 °C).
- 4 **Insulation Shield:** Semi-conducting thermoset compound layer, 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, identification of cores by means of tapes in the colors white, blue and red.

APPLICATION

The modern technology used in the manufacture of **MEDIUM VOLTAGE CABLES ECOPOWER SLIM 105** 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, ducts, 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 (EPR, HEPR or EPR 105) insulation for rated voltages from 1 kV to 35 kV – Performance requirements.

CABLE ECOPOWER SLIM 105 12/20 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)	
3856.01.014	25	6	4,7	16,6	1	1,5	22,2	710
3856.03.014					3	2,3	47,9	2.716
3856.01.015	35	7,1	4	16,3	1	1,5	21,9	773
3856.03.015					3	2,3	47,2	2.888
3856.01.016	50	8,1	4	17,3	1	1,5	22,9	906
3856.03.016					3	2,4	49,6	3.366
3856.01.017	70	9,55	4	18,8	1	1,5	24,4	1.137
3856.03.017					3	2,5	53,3	4.216
3856.01.018	95	11,3	4	20,5	1	1,6	26,3	1.406
3856.03.018					3	2,6	57,3	5.125
3856.01.019	120	12,7	4	21,9	1	1,7	27,9	1.670
3856.03.019					3	2,7	60,5	6.003
3856.01.020	150	13,8	4	23	1	1,7	29	1.941
3856.03.020					3	2,8	63,5	6.983
3856.01.021	185	15,5	4	24,7	1	1,8	30,9	2.319
3856.03.021					3	3	67,5	8.269
3856.01.022	240	18,4	4	28,2	1	1,9	34,6	2.965
3856.03.022					3	3,2	75,5	10.529
3856.01.023	300	20,5	4,5	30,7	1	2	37,3	3.591
3856.03.023					3	3,4	81,3	12.665
3856.01.024	400	23,3	4,5	33,5	1	2,1	40,3	4.424
3856.03.024					3	3,6	87,8	15.476
3856.01.025	500	26,4	4,5	36,6	1	2,2	43,6	5.583
3856.03.025					3	3,9	95,1	19.365