



CONSTRUCTION

- 1
- Conductor: Bare electrolytic copper, soft temper, or pure aluminum, compacted circular stranded (Class 2).
- 2
- Conductor shield: Thermosetting semi-conductive compound.
- 3
- Insulation: Thermosetting EPR rubber compound 105°C, lead-free.
- 4
- Insulation shield: Thermosetting semi-conductive compound layer, easy cold stripping.
- 5
- Metallic shield: Bare copper wires.
- 6
- Separator: Non-hygroscopic polyester tape, helically applied with 100% coverage.
- 7
- Outer sheath: Polyvinyl chloride compound (PVC ST2), lead-free.

IDENTIFICATION

For 3-core cables, core identification is made by colored yarns: white, blue and red.

APPLICATION

The modern technology used in the manufacture of ECOPOWER SLIM 105 MEDIUM VOLTAGE CABLES provides an excellent technical and economical solution for:

- service entrance circuits
 - residential and industrial buildings
 - substations
 - power supply and distribution systems
- They can be installed:

 - outdoors
 - in conduits
 - ducts, trays and cable ladders
 - directly buried
 - in dry or wet locations

PACKAGING

Normally supplied on wooden reels.

SPECIFICATIONS

ABNT NBR 7286 – Power cables with EPR insulation (1 kV to 35 kV).

ECOPOWER SLIM 105 CABLE 6/10 kV

ECOPOWER SLIM 105 CABLE 6/10 kV								
REFERENCE	CONDUCTOR		INSULATION		NUMBER OF CONDUCTORS	NOMINAL THICKNESS (mm)	NOMINAL DIAMETER (mm)	TOTAL WEIGHT (kg/km)
	NOMINAL CROSS SECTION (mm²)	NOMINAL DIAMETER (mm)	NOMINAL THICKNESS (mm)	NOMINAL DIAMETER (mm)				
3852.01.014	25	6	2,5	12,2	1	1,4	17,6	538
3852.03.014					3	2	37,7	1.965
3852.01.015	35	7,1		13,3	1	1,4	18,7	650
3852.03.015					3	2,1	40,3	2.365
3852.01.016	50	8,3		14,3	1	1,4	19,7	778
3852.03.016					3	2,1	42,5	2.793
3852.01.017	70	9,55		15,8	1	1,4	21,2	1.001
3852.03.017					3	2,3	46,4	3.615
3852.01.018	95	11,3		17,5	1	1,5	23,1	1.257
3852.03.018					3	2,4	50,4	4.476
3852.01.019	120	12,7		18,9	1	1,6	24,7	1.512
3852.03.019					3	2,5	53,6	5.314
3852.01.020	150	13,8		20	1	1,6	25,8	1.777
3852.03.020					3	2,6	56,6	6.256
3852.01.021	185	15,5		21,7	1	1,7	27,7	2.143
3852.03.021					3	2,7	60,5	7.463
3852.01.022	240	18	2,8	24,8	1	1,8	31	2.744
3852.03.022					3	3	67,8	9.551
3852.01.023	300	20,5		27,3	1	1,8	33,5	3.336
3852.03.023					3	3,2	73,6	11.606
3852.01.024	400	23,3		30,1	1	1,9	36,5	4.148
3852.03.024					3	3,4	80	14.328
3852.01.025	500	26,4		33,2	1	2,1	40	5.301
3852.03.025					3	3,6	87,1	18.075