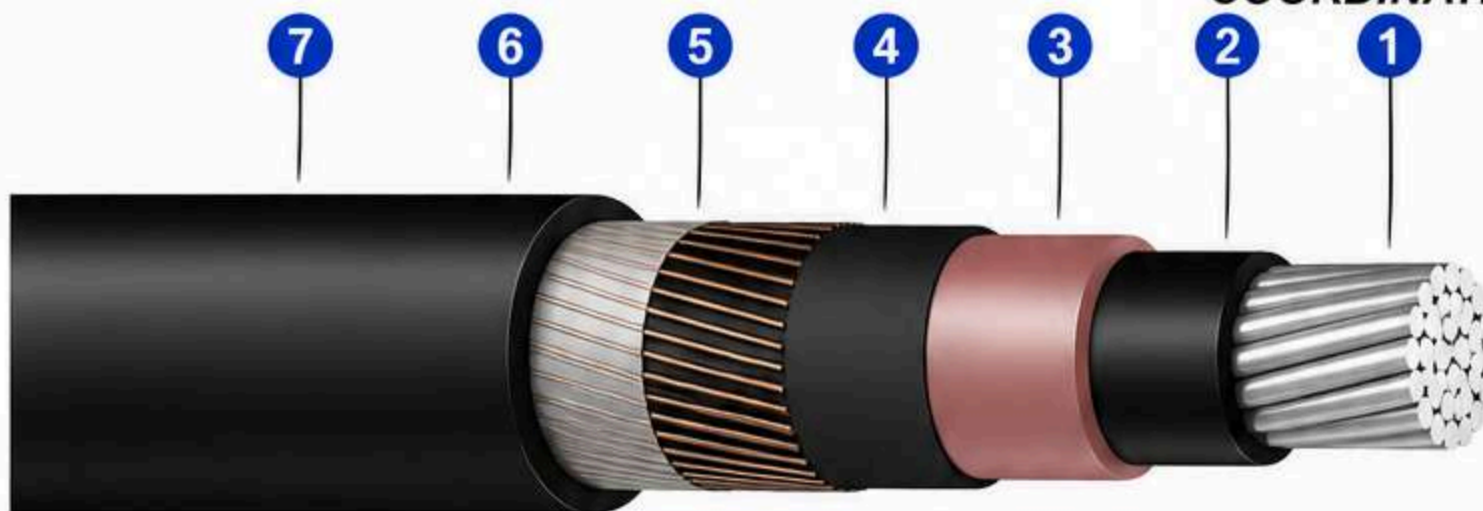


20/35 kV – NEUTRAL 6 mm² to 35 mm²
COORDINATED INSULATION



CONSTRUCTION

- 1 Conductor:** Bare aluminum, alloy 1350, compacted circular stranded (Class 2), longitudinal water-blocked.
- 2 Conductor shield:** Thermoset semi-conductive compound.
- 3 Insulation:** Thermoset EPR compound – 105 °C.
- 4 Insulation shield:** Semi-conductive thermoset compound, easy cold stripping.
- 5 Metallic shield:** Bare copper wires, longitudinal water-blocked.
- 6 Separator:** Non-hygroscopic polyester tape, helically applied (100 % coverage).
- 7 Outer sheath:** Thermoplastic polyethylene compound PE ST7 – Black color.

IDENTIFICATION

Outer sheath in black color.

APPLICATION

- Primary distribution in utilities;
- Power distribution in industrial plants;
- Generation – transformation interconnections in hydroelectric, thermoelectric, wind power plants, etc;
- Supply for building substations and large consumers.

PACKAGING

Normally supplied on wooden reels.

STANDARDS

ABNT NBR 7286 Cables with extruded ethylene-propylene rubber (EPR, HEPR or EPR 105) insulation for rated voltages from 1 kV to 35 kV – Requirements.

CABLE EPRONAX AL SLIM 105 WIND (20/35 kV) NEUTRAL 6 mm² COORDINATED INSULATION


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)	
3756.01.016	50	8,30	8,2	25,9	1	1,8	33,3	981
3756.01.017	70	9,90	7,5	26,1		1,8	33,5	1026
3756.01.018	95	11,8		28,0		1,9	35,6	1175
3756.01.019	120	13,2	29,4	2,0		37,2	1305	
3756.01.020	150	14,8	31,0			38,8	1436	
3756.01.021	185	16,3	6,5	30,5		38,3	1459	
3756.01.022	240	18,5		32,7		2,1	40,7	1696
3756.01.023	300	20,5	34,7	42,7			1922	
3756.01.024	400	23,3	37,5	2,2		45,7	2257	
3756.01.025	500	26,2	40,4	2,3		48,8	2660	

CABLE EPRONAX AL SLIM 105 WIND (20/35 kV) NEUTRAL 10 mm² COORDINATED INSULATION


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)	
3767.01.016	50	8,30	8,2	25,9	1	1,8	33,6	1017
3767.01.017	70	9,90	7,5	26,1		1,9	34,0	1071
3767.01.018	95	11,8		28,0			35,9	1211
3767.01.019	120	13,2	29,4	2,0		37,5	1340	
3767.01.020	150	14,8	31,0			39,1	1472	
3767.01.021	185	16,3	6,5	30,5		38,6	1495	
3767.01.022	240	18,5		32,7		2,1	41,0	1731
3767.01.023	300	20,5	34,7	2,2		43,2	1970	
3767.01.024	400	23,3	37,5	2,3		46,2	2306	
3767.01.025	500	26,2	40,4	2,4		49,3	2710	

CABLE EPRONAX AL SLIM 105 WIND (20/35 kV) NEUTRAL 16 mm² COORDINATED INSULATION


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)	
3758.01.016	50	8,30	8,2	27,1	1	1,8	33,4	1082
3758.01.017	70	9,90	7,5	27,3		1,9	33,8	1136
3758.01.018	95	11,8		29,2			35,7	1276
3758.01.019	120	13,2	30,6	2,0		37,3	1405	
3758.01.020	150	14,8	32,2			38,9	1537	
3758.01.021	185	16,3	6,5	31,7		38,4	1560	
3758.01.022	240	18,5		33,9		2,1	40,8	1796
3758.01.023	300	20,5	35,9	2,2		43,0	2035	
3758.01.024	400	23,3	38,7			45,8	2358	
3758.01.025	500	26,2	41,6	2,4		49,1	2775	

RN: Normal Round
RC: Compacted Round

CABLE EPRONAX AL SLIM 105 WIND (20/35 kV) NEUTRAL 25 mm² COORDINATED INSULATION

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)	
3760.01.016	50	8,30	8,2	25,9	1	1,9	34,6	1190
3760.01.017	70	9,90	7,5	26,1		1,9	34,8	1234
3760.01.018	95	11,8	6,5	28,0		2,0	36,9	1385
3760.01.019	120	13,2		29,4		2,0	38,3	1504
3760.01.020	150	14,8		31,0		2,1	40,1	1647
3760.01.021	185	16,3		30,5		2,0	39,4	1658
3760.01.022	240	18,5		32,7		2,1	41,8	1896
3760.01.023	300	20,5		34,7		2,2	44,0	2134
3760.01.024	400	23,3		37,5		2,3	47,0	2471
3760.01.025	500	26,2		40,4		2,4	50,1	2875

CABLE EPRONAX AL SLIM 105 WIND (20/35 kV) NEUTRAL 35 mm² COORDINATED INSULATION

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)	
3762.01.016	50	8,30	8,2	25,9	1	1,9	35,0	1296
3762.01.017	70	9,90	7,5	26,1		1,9	35,2	1340
3762.01.018	95	11,8	6,5	28,0		2,0	37,3	1491
3762.01.019	120	13,2		29,4		2,0	38,7	1610
3762.01.020	150	14,8		31,0		2,1	40,5	1753
3762.01.021	185	16,3		30,5		2,0	40,0	1776
3762.01.022	240	18,5		32,7		2,1	42,2	2002
3762.01.023	300	20,5		34,7		2,2	44,4	2240
3762.01.024	400	23,3		37,5		2,3	47,4	2577
3762.01.025	500	26,2		40,4		2,4	50,5	2981