

COBREFLEX HEPR ATOX CABLE 90°C 0.6/1KV CABLES FOR INDUSTRIAL AND COMMERCIAL INSTALLATIONS WITH LARGE MOVEMENT OF PEOPLE



APPLICATION:

Suitable for industrial and commercial installations, transformer substations, outdoor or underground, in places with high affluence and movement of people, such as theaters, cinemas, shopping malls, hospitals, schools, etc.

CONDUCTOR:

Formed by bare copper wires, soft tempered, according to NBR NM 280, Class 5 stringing.

INSULATION:

Consisting of a high modulus ethylene propylene-based thermoset compound (HEPR), thermal class 90°C.

VEIN COLORS:

- 1 conductor: white;
- 2 conductors: blue and black;
- 3 conductors: blue, black and white;
- 4 conductors: blue, black, white and red.
- 5 conductors: blue, green, black, white and red.

COVER:

Made of non-halogenated thermoplastic polyolefin compound, with special characteristics regarding non-propagation of flame and low emission of smoke and toxic gases.

COLORS:

PACKAGING:

Supplied in wooden coils.

NORMAS APLICÁVEIS:

ABNT NBR 13248 - Power cables and insulated conductors without cover, non-halogenated and with low smoke emissions, for voltages up to 1 kV - Performance requirements;

ABNT NBR NM 280 - Insulated Cable Conductors (IEC 60228, MOD);



CONSTRUCTION DATA

Nominal conductor cross-section (mm²)	Maximum diameter of wires in conductor* (mm)	Nominal insulation thickness (mm)	Maximum electrical resistance 20°C (Ω/km)	Minimum insulation resistance 20°C (MΩ/km)	Nominal Outside Diameter (mm)					Nominal Net Weight (kg/km)				
					1 conductor	2 conductors	3 conductors	4 conductors	5 conductors	1 conductor	2 Drives	3 Drives	4 Drives	5 Drives
1,5	0,26	0,7	13,30	1172	4,7	8,2	8,7	9,7	10,5	32	90	105	133	157
2,5	0,26	0,7	7,98	981	5,1	9,0	9,8	10,7	11,7	41	117	144	174	218
4	0,31	0,7	4,95	810	5,6	10,3	10,9	12,0	13,3	58	164	200	244	305
6	0,31	0,7	3,30	689	6,4	11,3	12,0	13,4	14,8	79	211	262	327	413
10	0,41	0,7	1,93	577	7,8	14,4	15,3	17,1	18,3	118	336	415	520	663
16	0,41	0,7	1,21	464	8,7	16,6	17,9	19,7	22,2	168	477	607	754	996
25	0,41	0,9	0,780	382	10,6	19,4	20,8	23,0	26,0	252	681	874	1092	1466
35	0,41	0,9	0,554	375	11,8	21,9	23,6	26,1	—	334	906	1158	1483	—
50	0,41	1,0	0,386	320	13,7	25,8	27,6	30,5	—	468	1266	1634	2058	—
70	0,51	1,1	0,272	293	15,7	—	—	—	—	647	—	—	—	—
95	0,51	1,1	0,206	256	17,6	—	—	—	—	846	—	—	—	—
120	0,51	1,2	0,161	258	19,7	—	—	—	—	1090	—	—	—	—
150	0,51	1,4	0,129	265	21,8	—	—	—	—	1328	—	—	—	—
185	0,51	1,6	0,106	272	24,0	—	—	—	—	1621	—	—	—	—
240	0,51	1,7	0,0801	290	27,0	—	—	—	—	2203	—	—	—	—
300	0,51	1,8	0,0641	236	30,0	—	—	—	—	2587	—	—	—	—

*As established from NBR NM 280