

COBREFLEX HEPR CABLE 90°C 0.6/1KV CABLES FOR FIXED BUILDING AND INDUSTRIAL INSTALLATIONS



APPLICATION:

Suitable for industrial and commercial installations, transformer substations, outdoor or underground, in places with excessive humidity.

CONDUCTOR:

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

INSULATION:

High modulus ethylene propylene (HEPR)-based thermoset compound.

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:

Thermoplastic polyolefin compound based on polyvinyl chloride (PVC/ST2) black color.

PACKAGING: Supplied in wooden coils.

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APPLICABLE STANDARDS:

ABNT NBR 7286 - Power and control cables and insulated conductors without cover, with extruded insulation and with low smoke emission for voltages up to 1 kV - Performance requirements;

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



CONSTRUCTION DATA

Nominal conductor cross-section (mm ²)	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	1065	4,7	8,2	8,7	9,7	10,5	37	90	105	133	157
2,5	0,26	0,7	7,98	885	5,1	9,0	9,8	10,7	11,7	41	117	144	174	216
4	0,31	0,7	4,95	727	5,6	10,3	10,9	12,0	13,3	58	164	200	244	305
6	0,31	0,7	3,30	614	6,4	11,3	12,0	13,4	14,8	79	211	262	327	413
10	0,41	0,7	1,91	482	7,6	14,4	15,3	17,1	18,3	116	336	415	520	663
16	0,41	0,7	1,21	371	8,7	16,6	17,9	19,7	22,2	168	477	607	754	996
25	0,41	0,9	0,780	381	10,6	19,4	20,8	23,0	26,0	252	681	874	1092	1446
35	0,41	0,9	0,554	346	11,8	21,9	23,4	26,1	—	334	906	1158	1483	—
50	0,41	1,0	0,386	326	13,7	25,6	27,6	30,5	—	468	1266	1634	2058	—
70	0,51	1,1	0,272	288	15,7	—	—	—	—	647	—	—	—	—
95	0,51	1,1	0,206	254	17,6	—	—	—	—	846	—	—	—	—
120	0,51	1,2	0,161	250	19,7	—	—	—	—	1090	—	—	—	—
150	0,51	1,4	0,129	253	21,8	—	—	—	—	1328	—	—	—	—
185	0,51	1,6	0,108	263	24,0	—	—	—	—	1621	—	—	—	—
240	0,51	1,7	0,0801	250	27,0	—	—	—	—	2103	—	—	—	—
300	0,51	1,8	0,0641	237	30,0	—	—	—	—	2587	—	—	—	—

*As established from NBR NM 280