



YMVkmb Al

Power cable 0,6/1 kV with Al conductors, XLPE insulated and PVC sheathed

APPLICATION

In earth, ducts, on support brackets, in dry and wet conditions etc., where one does not expect mechanical damages and the cables are not exposed to the mechanical tensile strain. In urban networks, industrial plants, electric power plants and other electricity consumers and for connection of control devices in industry, traffic etc.

TECHNICAL CHARACTERISTICS

CPR class: Dca – s2,d2,a3

Test voltage: 4 Kv

Rated voltage: 0,6/1 kV

Bending radius (min): single-core – 15D;
multicore- 12D

Min. laying temperature: 0°C

Max. working temperature: 90°C

Max. short-circuit temperature: 250°C

CONSTRUCTION

Conductors: Al, class 2 according to EN 60228

Insulation: : XLPE compound

Bedding: Extruded elastomere or plastomere compound or plastic tape

Sheat: PVC compound

STANDARD

HD 604 S1, IEC 60502-1

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

3-core (a): ● Green/Yellow ● Brown ● Blue

3-core (b): ● Black ● Brown ● Grey

4-core (a): ● Green/Yellow ● Brown ● Black ● Grey

4-core (b): ● Blue ● Brown ● Black ● Grey

5-core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

Outer Sheath Colour:

● Grey

Other colours available on request

CERTIFICATION



FOUR - CORE CABLES:

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	A	mm	kg/km	kg/km
4x16	RM	1,910	-	-	18,5	185,6	435
4x25	RM	1,200	102	112	21,9	290,0	640
4x35	RM	0,868	126	135	24,5	406,0	835
4x50	RM	0,641	149	158	28,3	580,0	1153
4x70	RM	0,443	191	196	32,8	812,0	1571
4x95	RM	0,320	234	234	36,9	1102,0	2037
4x120	RM	0,253	273	268	40,9	1392,0	2535
4x150	RM	0,206	311	300	45,7	1740,0	3169
4x185	RM	0,164	360	342	50,9	2146,0	3922
4x240	RM	0,125	427	398	57,6	2784,0	5024

FIVE - CORE CABLES:

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	A	mm	kg/km	kg/km
5x16	RM	1,910	-	-	20,3	232	541
5x25	RM	1,200	102	112	24,1	363	782
5x35	RM	0,868	126	135	27,0	508	1010
5x50	RM	0,641	149	158	31,4	725	1400
5x70	RM	0,443	191	196	36,5	1015	1892
5x95	RM	0,320	234	234	41,2	1378	2461
5x120	RM	0,253	273	268	45,4	1740	3036
5x150	RM	0,206	311	300	51,0	2175	3800
5x185	RM	0,164	360	342	56,8	2683	4687
5x240	RM	0,125	427	398	64,2	3480	5979

THREE - CORE CABLES, SHAPED CONDUCTORS:

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	A	mm	kg/km	kg/km
3x35	SM	0,868	126	135	20,5	304,5	489
3x50	SM	0,641	149	158	22,9	435,0	646
3x70	SM	0,443	191	196	26,5	609,0	871
3x95	SM	0,320	234	234	29,5	826,5	1134
3x120	SM	0,253	273	268	32,5	1044,0	1404
3x150	SM	0,206	311	300	37,0	1305,0	1759
3x185	SM	0,164	360	342	40,9	1609,5	2144
3x240	SM	0,125	427	398	45,7	2088,0	2738

FOUR - CORE CABLES, SHAPED CONDUCTORS

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	A	mm	kg/km	kg/km
4x35	SM	0,868	126	135	23,0	406,0	612
4x50	SM	0,641	149	158	26,0	580,0	829
4x70	SM	0,443	191	196	30,0	812,0	1118
4x95	SM	0,320	234	234	33,6	1102,0	1464
4x120	SM	0,253	273	268	37,6	1392,0	1836
4x150	SM	0,206	311	300	42,0	1740,0	2266
4x185	SM	0,164	360	342	46,6	2146,0	2784
4x240	SM	0,125	427	398	52,1	2784,0	3557