



EAY2Y

Power cable 0,6/1 kV with Al conductors, PVC insulated and HDPE 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.

CONSTRUCTION

Conductors: Al, class 1 or 2 according to EN 60228

Insulation: PVC compound DIV 1

Bedding: Extruded elastomere or plastomere compound or plastic tape

Sheath: HDPE compound DMV 1

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

Single-core: ● Green/Yellow OR ● Black

2-core: ● Brown ● Blue

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:

● Black

Other colours available on request

TECHNICAL CHARACTERISTICS

CPR Class: Fca

Test voltage: 4 Kv

Rated voltage: 0,6/1 kV

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

Min. laying temperature: -5°C

Max. conductor temperature: 70°C

Max. short-circuit temperature: 160°C

STANDARD

ÖVE E 8200-603, HD 603 S1, IEC 60502-1

CERTIFICATION



International
Electrotechnical
Commission



NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	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
1x10	RM	3,08	-	-	9,5	26,5	93
1x16	RM	1,910	-	-	10,5	42,4	119
1x25	RM	1,200	87	106	12,1	67,9	168
1x35	RM	0,868	107	127	13,3	94,6	209
1x50	RM	0,641	131	151	15,1	128,1	273
1x70	RM	0,443	166	185	16,3	186,9	345
1x95	RM	0,320	205	222	18,4	255,9	452
1x120	RM	0,253	239	253	19,6	323,5	537
1x150	RM	0,206	273	284	21,8	401,5	666
1x185	RM	0,164	317	322	23,8	499,9	810
1x240	RM	0,125	378	375	26,7	655,7	1030
1x300	RM	0,100	437	425	29,5	832,5	1280
4x10	RE/RM	3,080	-	-	18,8	106,3	419
4x16	RE/RM	1,910	-	-	21,6	170	569
4x25	RM	1,200	82	102	25,2	272,2	813
4x35	RM	0,868	100	123	28,5	379,7	1044
4x35	SM	0,868	100	123	26,0	393	836
4x50	SM	0,641	119	144	29,2	517,1	1066
4x70	SM	0,443	152	179	32,5	737,3	1383
4x95	SM	0,320	186	215	37,4	1027,9	1843
4x120	SM	0,253	216	245	40,7	1308,8	2245
4x150	SM	0,206	246	275	44,5	1616	2723
4x185	SM	0,164	285	313	49,2	2033,6	3385
4x240	SM	0,125	338	364	54,9	2687,7	4305
4x300	SM	0,100	400	419	66,2	3480	5216
4x50	SE	0,641	119	144	27,7	475,5	1066
4x70	SE	0,443	152	179	31,2	673,8	1366
4x95	SE	0,320	186	215	35,1	950	1794
4x120	SE	0,253	216	245	38,5	1187,2	2158
4x150	SE	0,206	246	275	42,7	1447,2	2664
4x185	SE	0,164	285	313	46,4	1832,8	3191
4x240	SE	0,125	338	364	51,8	2364,7	4016
5x10	RM	3,080	-	-	21,1	133,1	544
5x16	RM	1,910	-	-	23,7	212,8	711
5x25	RM	1,200	102	112	28,0	340,7	1029
5x35	RM	0,868	126	135	31,7	474,8	1326
5x50	RM	0,641	149	158	36,2	642,4	1745
5x70	RM	0,443	191	196	40,6	937,9	2272
5x95	RM	0,320	234	234	46,7	1283,4	3042
5x120	RM	0,253	273	268	50,4	1622,6	3617