ttcables
ELECTRIC CABLE WORKS

EAYY

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

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: Eca
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: 90°C
Max. short-circuit temperature: 250°C

CONSTRUCTION

Conductors: Al, class 1 (RE/SE) or class 2 (RM/SM) according to EN 60228
Insulation: PVC compound DIV 1
Bedding: Extruded elastomere or plastomere compound or plastic tape
Sheath: PVC compound DMV 1

STANDARD

ÖVE E8200-603,
HD 603 S1

CERTIFICATION

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

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.)
mm²		Ω/km	A	A	mm	kg/km	kg/km
1x16	RM	1,91	-	-	**10,5**	46	145
1x25	RM	1,2	87	106	12	73	195
1x35	RM	0,868	107	127	13,5	102	255
1x50	RM	0,641	131	151	15	145	298
1x70	RM	0,443	166	185	17	203	383
1x95	RM	0,32	205	222	19	276	490
1x120	RM	0,253	239	253	20	348	575
1x150	RM	0,206	273	284	22	435	695
1x185	RM	0,164	317	322	25	537	845
1x240	RM	0,125	378	375	28	696	1100
1x300	RM	0,1	437	425	30	870	1379
1x400	RM	0,0778	513	487	34	1160	1615
1x500	RM	0,0605	600	558	37	1450	2015
1x630	RM	0,0469	701	635	38,8	1827	2472
1x800	RM	0,0367	809	716	42,1	2320	2900
1x1000	RM	0,0291	916	796	46,6	2880	3390
3x70+35	SM/SM	0,443/0,868	152	179	33	710	1201
3x95+50	SM/SM	0,320/0,641	186	215	37,8	971	1672
3x120+70	SM/SM	0,253/0,443	216	245	40,4	1247	2009
3x150+70	SM/SM	0,206/0,443	246	275	44,9	1508	2401
3x185+95	SM/SM	0,164/0,320	285	313	49	1885	2991
3x240+120	SM/SM	0,125/0,253	338	364	55,2	2436	3808
3x16	RM/RE	1,91	-	-	18,4	139,2	427
3x25	RM	1,2	82	102	21,7	217,5	624
3x35	RM	0,868	100	123	24,1	304,5	815
3x50	RM/SM	0,641	119	144	27,9	435	1049
3x70	RM/SM	0,443	152	179	31,4	609	1384
3x95	RM/SM	0,32	186	2115	35,9	826,5	1781
4x16	RE/RM	1,91	-	-	24	185	596
4x25	RM	1,2	82	102	25	290	851
4x35	RM	0,868	100	123	28	406	1055
4x35	SM	0,868	100	123	28	406	690
4x50	SM	0,641	119	144	30	580	832
4x70	SM	0,443	152	179	35	812	1147
4x95	SM	0,32	186	215	39	1102	1460
4x120	SM	0,253	216	245	41	1392	1861
4x150	SM	0,206	246	275	45	1740	2318
4x185	SM	0,164	285	313	49	2146	2866
4x240	SM	0,125	338	364	55	2784	3616
4x300	SM	0,1	400	419	59	3480	4500

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mm²		**Ω/km**	**A**	**A**	**mm**	**kg/km**	**kg/km**
5x16	RM	1,91	-	-	**23,2**	232	767
5x25	RM	1,20	82	102	27,3	363	1079
5x35	RM	0,868	100	123	30,4	507,5	1363
5x50	RM	0,641	119	144	35,8	725	1896
5x70	RM	0,443	152	179	39,8	1015	2405
5x95	RM	0,320	186	215	46	1378	3218
5x120	RM	0,253	216	245	50,1	1740	3847
5x150	RM	0,206	246	275	55,3	2175	4714
5x35	SM	0,868	100	123	26,8	507,5	774
5x50	SM	0,641	119	144	31,9	725	1079
5x70	SM	0,443	152	179	36,4	1015	1446
5x95	SM	0,320	186	215	40,5	1378	1899
5x120	SM	0,253	216	245	41,9	1740	2296
5x150	SM	0,206	246	275	46,5	2175	2844
5x185	SM	0,164	285	313	51,5	2683	3483
5x240	SM	0,125	338	364	58,3	3480	4470