ttcables
ELECTRIC CABLE WORKS

EYY

Power cable 0,6/1 kV with Cu conductors, PVC insulated and 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: Cu, class 1 or 2 according to EN 60228
Insulation: PVC compound DIV 1
Bedding: Extruded elastomere or plastomere compound or plastic tape
Sheath: PVC compound DMV 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:
Black
Other colours available on request

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: 70°C
Max. short-circuit temperature: 160°C

STANDARD

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

CERTIFICATION

CE
IEC International Electrotechnical Commission
REACH COMPLIANT
RoHS compliant
ÖVE

ONE-CORE CABLES

NOMINAL CROSS-SEC-TION	CONDUCTOR CONSTRUCTION	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
1x4	RE	4,610	37	50	7,9	38	110
1x6	RE	3,080	47	62	8,4	58	130
1x10	RE	1,830	64	83	9,1	96	180
1x10	RM	1,830	64	83	9,7	96	185
1x16	RM	1,150	84	107	10,7	154	240
1x25	RM	0,727	114	138	12,5	240	350
1x35	RM	0,524	139	164	13,6	336	460
1x50	RM	0,387	169	195	15,4	480	600
1x70	RM	0,268	213	238	17,2	672	800
1x95	RM	0,193	264	286	19,5	912	1100
1x120	RM	0,153	307	286	21,1	1152	1350
1x150	RM	0,124	352	365	23,0	1440	1650
1x185	RM	0,0991	406	413	35,7	1776	2000
1x240	RM	0,0754	483	479	28,7	2304	2600
1x300	RM	0,0601	557	541	31,5	2880	3200
1x400	RM	0,0440	646	614	34,5	3840	4100

TWO-CORE CABLES

NOMINAL CROSS-SEC-TION	CONDUCTOR CONSTRUCTION	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
2x1,5	RE	12,1	18	-	9,6	28,8	178
2x2,5	RE	7,41	26	-	10,4	48,0	216
2x4	RE	4,610	34	46	14,2	76,8	293
2x6	RE	3,080	43	58	15,2	115,2	358
2x10	RE/RM	1,830	59	78	16,8	192,0	481
2x16	RM	1,150	78	101	18,6	307,2	652
2x25	RM	0,727	105	132	21,6	480,0	933
2x35	RM	0,524	129	159	23,8	672,0	1207
2x50	SM	0,387	157	188	27,2	960,0	1643
2x70	SM	0,268	199	232	30,2	1344,0	2167

THREE-CORE CABLES

NOMINAL CROSS-SEC-TION	CONDUCTOR CONSTRUCTION	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
3x1,5	RE	12,1	18	-	10,1	43,2	130
3x2,5	RE	7,41	26	-	11,2	72	180
3x4	RE	4,610	34	46	14,8	115	330
3x6	RE	3,080	43	58	15,9	176	420
3x10	RE	1,830	59	78	17,6	288	580
3x10	RM	1,830	59	78	18,7	288	620
3x16	RM	1,150	78	101	21,0	461	810
3x25	RM	0,727	105	132	25,1	720	1250
3x35	RM	0,524	129	159	27,5	1008	1400
3x50	SM	0,387	157	188	29,5	1440	2354
3x70	SM	0,268	199	232	32,9	2016	3121
3x95	SM	0,193	246	280	37,7	2736	4158
3x120	SM	0,153	285	318	41,3	3456	5140
3x150	SM	0,124	326	359	45,4	4320	6335

FOUR- CORE CABLES WITH REDUCED NEUTRAL CORE

NOMINAL CROSS-SEC-TION	CONDUCTOR CONSTRUCTION	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
3x16+10	RM/RM	1,150/1,830	77	88	21,3	556	1030
3x25+10	RM/RM	0,727/1,830	98	120	25,5	816	1135
3x25+16	RM/RM	0,727/1,150	105	132	25,5	873	1400
3x35+16	RM/RM	0,524/1,150	129	159	28,3	1161	1750
3x35+25	RM/RM	0,524/0,727	134	162	28,3	1248	1850
3x50+25	SM/RM	0,387/0,727	157	188	30,1	1680	2300
3x70+35	SM/RM	0,268/0,524	199	232	33,6	2352	2800
3x70+50	SM/RM	0,268/0,387	199	242	33,6	2496	3150
3x95+50	SM/RM	0,193/0,387	246	280	38,7	3216	3800
3x120+70	SM/RM	0,153/0,268	285	318	41,9	4128	4700
3x150+70	SM/RM	0,124/0,268	326	359	46,2	4992	5600
3x185+95	SM/RM	0,0991/0,193	374	406	50,9	6240	7400
3x240+120	SM/RM	0,0754/0,153	445	473	56,1	8064	9600
3x50+35	SM/SM	0,387/0,524	157	188	29,5	1776	2190
3x70+35	SM/SM	0,268/0,524	199	232	33,3	2352	2850
3x95+50	SM/SM	0,193/0,387	246	280	37,6	3216	3830
3x120+70	SM/SM	0,153/0,268	285	318	403,0	4128	4780
3x150+70	SM/SM	0,124/0,268	326	359	44,7	4992	5710
3x185+95	SM/SM	0,0991/0,193	374	406	50,2	6240	7080
3x240+120	SM/SM	0,0754/0,153	445	473	55,5	8064	9102

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.)
mm2		Ω/km	A	A	mm	kg/km	kg/km
4x1,5	RE	12,1	18	-	8,5	57,6	144,4
4x2,5	RE	7,41	26	-	9,5	96	204
4x4	RE	4,610	34	46	15,8	154	400
4x6	RE	3,080	43	58	16,9	230	520
4x10	RE	1,830	59	78	19,1	384	690
4x10	RM	1,830	59	78	19,5	384	740
4x16	RM/RE	1,150	78	107	22,0	614	1050
4x25	RM	0,727	105	132	27,8	960	1550
4x35	RM	0,524	129	159	30,5	1344	1962
4x35	SM	0,524	129	159	26,4	1344	1620
4x50	SM	0,387	157	188	29,9	1920	2180
4x70	SM	0,268	199	232	33,2	2688	2990
4x95	SM	0,193	246	280	38,6	3648	4070
4x120	SM	0,153	285	318	41,8	4608	5060
4x150	SM	0,124	326	359	46,7	5760	6200
4x185	SM	0,0991	374	406	51,3	7104	7634
4x240	SM	0,0754	445	473	58,3	9216	9870

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.)
mm2		Ω/km	A	A	mm	kg/km	kg/km
5x1,5	RE	12,1	18	-	13,7	72	294
5x2,5	RE	7,41	26	-	14,8	120	372
5x4	RE	4,610	34	46	16,7	192	480
5x6	RE	3,080	43	58	18,1	288	518
5x10	RE	1,830	59	78	20,6	480	816
5x10	RM	1,830	59	78	22,4	480	880
5x16	RM/RE	1,150	78	101	25,7	768	1250
5x25	RM	0,727	105	132	30,3	1200	1950
5x35	RM	0,524	129	159	34,0	1680	2400
5x50	RM	0,387	157	188	38,6	2400	3500
5x70	RM	0,268	199	232	44,1	3360	4450
5x95	RM	0,193	246	280	50,6	4560	6134
5x120	RM	0,153	285	318	52,0	5760	7485
5x35	SM	0,524	129	159	27,6	1458	2022
5x50	SM	0,387	157	188	32,5	1995	2744
5x70	SM	0,268	199	232	37,1	2883,8	3760
5x95	SM	0,193	246	280	41,1	3979,8	5081
5x120	SM	0,153	285	318	44,9	5064,7	6321
5x150	SM	0,124	326	359	49,9	6239	7650
5x185	SM	0,0991	374	406	55,0	7840,4	9554
5x240	SM	0,0754	445	473	61,6	10409,8	12497

MULTI-CORE CONTROL CABLES

NOMINAL CROSS-SEC-TION	CONDUCTOR CONSTRUCTION	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**
7x1,5	RE	12,1	18	-	12,8	100,8	244
7x2,5	RE	7,41	26	-	14,0	168,0	331