ttcables
ELECTRIC CABLE WORKS

EY2Y

Power cable 0,6/1 kV with Cu 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: Cu, 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 DMP 1

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:
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

CE RoHS compliant IEC International Electrotechnical Commission ÖVE REACH

TWO-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
2x1,5	RE	12,1	18	-	11,2	28,8	157
2x2,5	RE	7,41	26	-	12,0	48,0	196
2x4	RE	4,610	34	46	13,8	76,8	276
2x6	RE	3,080	43	58	14,8	115,2	343
2x10	RE/RM	1,830	59	78	16,4	192,0	470
2x16	RE/RM	1,150	78	101	18,2	307,2	646

THREE-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
3x1,5	RE	12,1	18	-	11,7	43,2	180
3x2,5	RE	7,41	26	-	12,5	72	229
3x4	RE	4,610	34	46	14,5	115	327
3x6	RE	3,080	43	58	15,6	176	414
3x10	RE	1,830	59	78	17,3	288	580
3x10	RM	1,830	59	78	18,0	288	620
3x16	RE/RM	1,150	78	101	19,2	461	813
3x25	RM	0,727	105	132	23,3	720	1250
3x35	RM	0,524	129	159	26,1	1008	1650
3x50	SM	0,387	157	188	25,0	1440	1780
3x70	SM	0,268	199	232	27,9	2016	2410
3x95	SM	0,193	246	280	31,6	2736	3234
3x120	SM	0,153	285	318	34,0	3456	4005
3x150	SM	0,124	326	359	38,5	4320	5015

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	-	11,7	57,6	203
4x2,5	RE	7,41	26	-	12,5	96	263
4x4	RE	4,610	34	46	14,5	154	381
4x6	RE	3,080	43	58	15,6	230	490
4x10	RE	1,830	59	78	16,8	384	698
4x10	RM	1,830	59	78	17,3	384	740
4x16	RM/RE	1,150	78	107	19,2	614	993
4x25	RM	0,727	105	132	23,3	960	1529
4x35	SM	0,524	129	159	24,9	1344	1682
4x50	SM	0,387	157	188	28,2	1920	2350
4x70	SM	0,268	199	232	31,5	2688	3179
4x95	SM	0,193	246	280	35,8	3648	4279
4x120	SM	0,153	285	318	39,0	4608	2304
4x150	SM	0,124	326	359	43,5	5760	6628
4x185	SM	0,0991	374	406	48,5	7104	8203
4x240	SM	0,0754	445	473	51,1	9216	10559

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	-	11,7	72	226
5x2,5	RE	7,41	26	-	12,5	120	296
5x4	RE	4,610	34	46	14,5	192	435
5x6	RE	3,080	43	58	15,6	288	566
5x10	RE/RM	1,830	59	78	17,3	480	816
5x16	RM/RE	1,150	78	101	19,2	768	1173
5x25	RM	0,727	105	132	23,3	1200	1808
5x35	RM	0,524	129	159	27,1	1680	1881
5x50	RM	0,387	157	188	30,4	2400	2630
5x70	RM	0,268	199	232	33,7	3360	3620
5x95	RM	0,193	246	280	38,4	4560	4881
5x120	RM	0,153	285	318	41,6	5760	6113