



YMvKmb

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

APPLICATION

YMvKmb cable is suitable for all types of industrial low voltage connections, urban grids, building installations, etc. This cable is fire retardant and is recommended for use in public places and hazardous industries. This cable can also be used in buried installations or in tubes or outdoors without requiring additional protection.

TECHNICAL CHARACTERISTICS

CPR class: Dca – s3,d1,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: Cu, class 1 or 2 according to EN 60228
Insulation: : XLPE compound
Bedding: Extruded elastomere LSZH compound
Sheat: PVC compound, type PVC/ST

STANDARD

HD 604 S1, IEC 60502-1

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:

● Grey

Other colours available on request

CERTIFICATION



SINGLE - 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
1x1,5	RE	12,1	26	33	5,6	14,4	47
1x2,5	RE	7,41	34	42	6,0	24,0	60
1x4	RE	4,610	44	54	6,5	38,4	79
1x6	RE	3,080	56	67	7,0	57,6	102
1x10	RE/RM	1,830	77	89	7,8	96,0	148
1x16	RM	1,150	102	115	8,,7	153,6	213
1x25	RM	0,727	138	148	10,2	240,0	316
1x35	RM	0,524	170	177	11,3	336,0	423
1x50	RM	0,387	207	209	12,8	480,0	583
1x70	RM	0,268	256	256	14,4	672,0	793
1x95	RM	0,193	325	307	16,2	912,0	1057
1x120	RM	0,153	380	349	17,8	1152,0	1317
1x150	RM	0,124	437	393	19,8	1440,0	1642
1x185	RM	0,0991	507	445	21,7	1776,0	2010
1x240	RM	0,0754	604	517	24,3	2304,0	2584
1x300	RM	0,0601	697	583	26,7	2880,0	3207
1x400	RM	0,0440	811	663	30,4	3840,0	4244
1x500	RM	0,0366	940	749	33,6	4800,0	5280
1x630	RM	0,0283	1083	843	37,5	6048,0	6636
1x800	RM	0,0221	1228	935	41,7	7680,0	8377
1x1000	RM	0,0176	1368	1023	46,1	9600,0	10419

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.)
mm ²		Ω/km	A	A	mm	kg/km	kg/km
2x1,5	RE	12,1	24	31	10,0	28,8	151
2x2,5	RE	7,41	32	40	10,8	48,0	189
2x4	RE	4,610	42	52	11,8	76,8	242
2x6	RE	3,080	53	64	12,8	115,2	306
2x10	RE/RM	1,830	74	86	14,4	192,0	463
2x16	RM	1,150	98	112	16,2	307,2	639
2x25	RM	0,727	133	145	19,2	480,0	930
2x35	RM	0,524	162	174	21,4	672,0	1214
2x50	RM	0,387	197	206	24,4	960,0	1672
2x70	RM	0,268	250	254	27,6	1344,0	2228
2x95	RM	0,193	308	305	31,0	1824,0	2907
2x120	RM	0,153	359	348	34,6	2304,0	3668
2x150	RM	0,124	412	392	38,4	2880,0	4532
2x185	RM	0,0991	475	444	42,4	3552,0	5585
2x240	RM	0,0754	564	517	48,0	4608,0	7116
2x300	RM	0,0601	649	585	52,8	5760,0	8746

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.)
mm ²		Ω/km	A	A	mm	kg/km	kg/km
3x1,5	RE	12,1	24	31	10,5	43,2	171
3x2,5	RE	7,41	32	40	11,3	72,0	218
3x4	RE	4,610	42	52	12,4	115,2	286
3x6	RE	3,080	53	64	13,5	172,8	369
3x10	RE/RM	1,830	74	86	15,2	288,0	566
3x16	RM	1,150	98	112	17,1	460,8	798
3x25	RM	0,727	133	145	20,4	720,0	1175
3x35	RM	0,524	162	174	22,8	1008,0	1551
3x50	RM	0,387	197	206	25,2	1440,0	2142
3x70	RM	0,268	250	254	28,9	2016,0	2897
3x95	RM	0,193	308	305	32,5	2736,0	3805
3x120	RM	0,153	359	348	36,2	3456,0	4784
3x150	RM	0,124	412	392	40,5	4320,0	5946
3x185	RM	0,0991	475	444	44,8	5328,0	7327
3x240	RM	0,0754	564	517	50,3	6912,0	9359
3x300	RM	0,0601	649	585	55,5	8640,0	11541

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
4x1,5	RE	12,1	24	31	11,2	57,6	197
4x2,5	RE	7,41	32	40	12,1	96,0	255
4x4	RE	4,610	42	52	13,4	153,6	340
4x6	RE	3,080	53	64	14,6	230,4	444
4x10	RE/RM	1,830	74	86	16,5	384,0	686
4x16	RM	1,150	98	112	18,7	614,4	979
4x25	RM	0,727	133	145	22,3	960,0	1452
4x35	RM	0,524	162	174	25,0	1344,0	1928
4x50	RM	0,387	197	206	28,0	1920,0	2688
4x70	RM	0,268	250	254	32,7	2688,0	3654
4x95	RM	0,193	308	305	36,1	3648,0	4805
4x120	RM	0,153	359	348	40,4	4608,0	6060
4x150	RM	0,124	412	392	45,0	5760,0	7511
4x185	RM	0,0991	475	444	50,0	7104,0	9280
4x240	RM	0,0754	564	517	56,2	9216,0	11865
4x300	RM	0,0601	649	585	61,9	11520,0	14649

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
5x1,5	RE	12,1	24	31	12,0	72,0	225
5x2,5	RE	7,41	32	40	13,0	120,0	296
5x4	RE	4,610	42	52	14,4	192,0	398
5x6	RE	3,080	53	64	15,7	288,0	524
5x10	RE/RM	1,830	74	86	17,9	480,0	814
5x16	RM	1,150	98	112	20,3	768,0	1171
5x25	RM	0,727	133	145	24,4	1200,0	1745
5x35	RM	0,524	162	174	27,4	1680,0	2327
5x50	RM	0,387	197	206	31,8	2400,0	3273
5x70	RM	0,268	250	254	36,3	3360,0	4446
5x95	RM	0,193	308	305	41,0	4560,0	5885
5x120	RM	0,153	359	348	45,6	5760,0	7393
5x150	RM	0,124	412	392	51,2	7200,0	9197
5x185	RM	0,0991	475	444	56,8	8880,0	11354
5x240	RM	0,0754	564	517	63,6	11520,0	14522
5x300	RM	0,0601	649	585	70,0	14400,0	17936

TREE - 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	0,524	162	174	20,5	1008,0	1192
3x50	SM	0,387	197	206	22,9	1440,0	1651
3x70	SM	0,268	250	254	26,5	2016,0	2278
3x95	SM	0,193	308	305	29,5	2736,0	3044
3x120	SM	0,153	359	348	32,5	3456,0	3816
3x150	SM	0,124	412	392	37,0	4320,0	4774
3x185	SM	0,0991	475	444	40,9	5328,0	5863
3x240	SM	0,0754	564	517	45,7	6912,0	7562

FIVE - 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	0,524	162	174	23,1	1344,0	1550
4x50	SM	0,387	197	206	26,0	1920,0	2169
4x70	SM	0,268	250	254	30,0	2688,0	2994
4x95	SM	0,193	308	305	33,6	3648,0	4010
4x120	SM	0,153	359	348	37,6	4608,0	5052
4x150	SM	0,124	412	392	42,0	5760,0	6286
4x185	SM	0,0991	475	444	46,6	7104,0	7742
4x240	SM	0,0754	564	517	52,1	9216,0	9989

