



## YMvKf

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

### APPLICATION

YMvKf 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. Its flexibility makes installation substantially easier, making it highly suitable for difficult layouts. This cable can also be used in buried installations or in tubes or outdoors without requiring additional protection.

### TECHNICAL CHARACTERISTICS

Test voltage: 4 Kv  
 Rated voltage: 0,6/1 kV  
 Bending radius (min): single-core – 15D;  
 multicore- 12D  
 Min. laying temperature: -5°C  
 Max. working temperature: 90°C  
 Max. short-circuit temperature: 250°C

### CONSTRUCTION

Conductors: Cu, class 5 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	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm <sup>2</sup>	Ω/km	A	A	mm	kg/km	kg/km
1,5	13,3	26	33	5,6	14,4	47
2,5	7,98	34	42	6	24,0	60
1x4	4,950	44	54	6,5	38,4	79
1x6	3,300	56	67	7,0	57,6	102
1x10	1,910	77	89	7,8	96,0	148
1x16	1,210	102	115	8,7	153,6	213
1x25	0,780	138	148	10,2	240,0	316
1x35	0,554	170	177	11,3	336,0	423
1x50	0,386	207	209	12,8	480,0	583
1x70	0,272	256	256	14,4	672,0	793
1x95	0,206	325	307	16,2	912,0	1057
1x120	0,161	380	349	17,8	1152,0	1317
1x150	0,129	437	393	19,8	1440,0	1642
1x185	0,1060	507	445	21,7	1776,0	2010
1x240	0,0801	604	517	24,3	2304,0	2584
1x300	0,0641	697	583	26,7	2880,0	3207
1x400	0,0486	811	663	30,4	3840,0	4244
1x500	0,0384	940	749	33,6	4800,0	5280
1x630	0,0287	1083	843	37,5	6048,0	6636

## TWO - CORE CABLES:

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm <sup>2</sup>	Ω/km	A	A	mm	kg/km	kg/km
2x1,5	13,3	24	31	11,2	28,8	183
2x2,5	7,98	32	40	12,0	48	223
2x4	4,950	42	52	13,0	76,8	280
2x6	3,300	53	64	14,0	115,2	345
2x10	1,910	74	86	15,6	192	473
2x16	1,210	98	112	17,4	307,2	649
2x25	0,780	133	145	20,4	480	940
2x35	0,554	162	174	22,6	672	1225
2x50	0,386	197	206	26,0	960	1686
2x70	0,272	250	254	29,2	1344	2242
2x95	0,206	308	305	32,6	1824	2921
2x120	0,161	359	348	36,6	2304	3688
2x150	0,129	412	392	40,4	2880	4553
2x185	0,1060	475	444	44,8	3552	5612
2x240	0,0801	564	517	50,0	4608	7140
2x300	0,0641	649	585	54,8	5760	8771

### THREE - CORE CABLES:

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm <sup>2</sup>	Ω/km	A	A	mm	kg/km	kg/km
3x1,5	13,3	24	31	11,7	43,2	204
3x2,5	7,98	32	40	12,5	72,0	254
3x4	4,950	42	52	13,6	115,2	325
3x6	3,300	53	64	14,7	172,8	411
3x10	1,910	74	86	16,4	288,0	575
3x16	1,210	98	112	18,3	460,8	808
3x25	0,780	133	145	21,6	720,0	1184
3x35	0,554	162	174	24,0	1008,0	1560
3x50	0,386	197	206	27,2	1440,0	2129
3x70	0,272	250	254	30,9	2016,0	2880
3x95	0,206	308	305	34,9	2736,0	3826
3x120	0,161	359	348	38,6	3456,0	4763
3x150	0,129	412	392	42,9	4320,0	5922
3x185	0,1060	475	444	47,6	5328,0	7304
3x240	0,0801	564	517	53,1	6912,0	9331
3x300	0,0641	649	585	58,7	8640,0	11579

### FOUR - CORE CABLES:

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm <sup>2</sup>	Ω/km	A	A	mm	kg/km	kg/km
4x1,5	13,3	24	31	12,4	57,6	232
4x2,5	7,98	32	40	13,3	96,0	293
4x4	4,950	42	52	14,6	153,6	381
4x6	3,300	53	64	15,8	230,4	489
4x10	1,910	74	86	17,7	384,0	695
4x16	1,210	98	112	20,0	614,4	989
4x25	0,780	133	145	23,5	960,0	1461
4x35	0,554	162	174	26,2	1344,0	1937
4x50	0,386	197	206	30,2	1920,0	2686
4x70	0,272	250	254	34,7	2688,0	3684
4x95	0,206	308	305	38,9	3648,0	4864
4x120	0,161	359	348	43,0	4608,0	6057
4x150	0,129	412	392	48,2	5760,0	7586
4x185	0,1060	475	444	53,2	7104,0	9303
4x240	0,0801	564	517	59,4	9216,0	11903
4x300	0,0641	649	585	65,1	11520,0	14689

## FIVE - CORE CABLES:

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm <sup>2</sup>	Ω/km	A	A	mm	kg/km	kg/km
5x1,5	13,3	24	31	13,6	72,0	263,0
5x2,5	7,98	32	40	14,2	120,0	337,0
5x4	4,950	42	52	15,6	192,0	442,0
5x6	3,300	53	64	16,9	288,0	573,0
5x10	1,910	74	86	19,1	480,0	823,0
5x16	1,210	98	112	21,5	768,0	1181,0
5x25	0,780	133	145	25,6	1200,0	1754,0
5x35	0,554	162	174	28,6	1680,0	2336,0
5x50	0,386	197	206	33,4	2400,0	3286,0
5x70	0,272	250	254	37,9	3360,0	4460,0
5x95	0,206	308	305	43,0	4560,0	5951,0
5x120	0,161	359	348	47,6	5760,0	7414,0
5x150	0,129	412	392	52,8	7200,0	9214,0
5x185	0,1060	475	444	58,8	8880,0	11377,0
5x240	0,0801	564	517	65,6	11520,0	14545,0
5x300	0,0641	649	585	72,0	14400,0	17961,0

