

## U-1000 R2V



ELETTROTEK KABEL® U-1000 R2V

### Construction:

- Conductor:** solid or stranded red copper conductor  
Cl. 1 up to 4 mm<sup>2</sup>  
Cl. 2 from 6 mm<sup>2</sup>,  
acc. to IEC 60228
- Insulation:** XLPE compound
- Colour cores:**  
**1 core:** black  
**2 core:** blue-brown  
**3 cores:** brown-black-blue (1,2/2,5 mm<sup>2</sup>)  
or brown-black-gray (4 mm<sup>2</sup>)  
**3G cores:** Y/G-blue-brown  
**4 cores:** blue-brown-black-gray  
**4G cores:** brown-black-gray-Y/G  
**5 cores:** brown-blue-grey-black-black  
**5G cores:** Y/G-blue-brown-black-gray
- Wrapping:** non fibrous and not hygroscopic filler
- Outer sheath:** black (RAL 9005)\*, PVC compound  
\*single-core cables and multi-cores cables  
over 5 cores black outer sheath.  
From 2 up to 5 cores black outer sheath  
with colored strip

### Technical data:

- Nominal voltage:** 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range:** - 25 °C / + 90 °C
- Min. installation temp.:** - 10 °C
- Max short circuit temperature:** + 250 °C
- Min. bending radius:** 6 x d

### Resistance:



**Flame retardant acc. to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
NF EN 60332-1-2



**Oil resistant acc. to:**  
IEC 60811-2-1  
DIN VDE 0473 part 811-2-1

### Features:

- according to IEC 60502-1 and NF C 15-100
- according to NF XP C32-321

### Applications:

For use in industrial sites and the upright columns of buildings. particularly suited in cases of high resistance to solar radiation and atmospheric agents is required good resistance to low temperatures and chemical agents. Can be used without additional mechanical protection in the open air, fixed to walls or in raceways, inside walkways, and in empty in constructions in general. can be laid underground with mechanical protection constructed from slab, tiles, or bricks. It is no recommended to lay this cable in ground flooded for more than two months for year. With appropriate mechanical protection it can be use in areas subject to risk of explosion, but in this case the permitted current load is reduced by 15% It can be used in ambient temperatures down to - 25°.

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46230G7L010M15	1x1.5	6,6	14,4	45	16
46230G7L010M25	1x2.5	7	24	55	14
46230G7L010M40	1x4	7,6	38,4	75	12
46230G7L010M60	1x6	8,2	37,6	100	10
46230G7L010M61	1x10	9,2	96	140	8
46230G7L010M62	1x16	10,5	153,6	205	6
46230G7L010M63	1x25	12,5	240	315	4
46230G7L010M64	1x35	13,5	336	400	2
46230G7L010M65	1x50	15	480	530	1
46230G7L010M66	1x70	17	672	725	2/0
46230G7L010M67	1x95	19	912	985	3/0
46230G7L010M68	1x120	21	1152	1260	4/0
46230G7L010M69	1x150	23	1440	1520	250 MCM
46230G7L010M70	1x185	25,5	1776	1940	350 MCM
46230G7L010M71	1x240	28,5	2304	2310	450 MCM
46230G7L010M72	1x300	31	2880	3200	550 MCM

# INDUSTRIAL LOW VOLTAGE CABLES

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Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46230G73020M15	2x1.5	10,5	28,8	115	16
46230G73020M25	2x2.5	11,5	48	145	14
46230G73020M40	2x4	13	76,8	195	12
46230G73020M60	2x6	14	115,2	265	10
46230G73020M61	2x10	16	192	390	8
46230G73020M62	2x16	18,5	307,2	560	6
46230G73020M63	2x25	22	480	850	4
46230G73020M64	2x35	24,5	672	1080	2
46230G73030M15	3x1,5	11	43,2	130	16
46230G73030M25	3x2,5	12,5	72	170	14
46230G73030M40	3x4	13,5	115,2	230	12
46230G73030M60	3x6	15	172,8	325	10
46230G73030M61	3x10	17	288	485	8
46230G73030M62	3x16	19,5	460,8	705	6
46230G73030M63	3x25	23,5	720	1080	4
46230G73030M64	3x35	26	1008	1390	2
46230G73030M65	3x50	29	1440	1840	1
46230G73030M66	3x70	34	2016	2540	2/0
46230G73030M67	3x95	38,5	2736	3430	3/0
46230G73030M68	3x120	42,5	3456	4440	4/0
46230G73030M69	3x150	47,5	4320	5380	250 MCM
46230G73030M70	3x185	53	5328	6920	350 MCM
46230G73030M71	3x240	59,5	6912	8420	450 MCM
46230G73030M72	3x300	66,0	8640	11300	550 MCM
46230G72041M15	4G1,5	12	59,4	150	16
46230G72041M25	4G2,5	13	96	205	14
46230G72041M40	4G4	14,5	153,6	280	12
46230G72041M60	4G6	16	230,4	390	10
46230G72041M61	4G10	18,5	384	590	8
46230G72041M62	4G16	21	614,4	870	6
46230G72041M63	4G25	25,5	960	1365	4
46230G72041M64	4G35	28,5	1344	1760	2
46230G73035M65	3x50+1x35	31,1	1776	2160	1
46230G73035M66	3x70+1x50	36,2	2496	3010	2/0
46230G73035M67	3x95+1x50	40,6	3216	3960	3/0
46230G73035M68	3x120+1x70	45,4	4128	5160	4/0
46230G73035M69	3x150+1x70	49,5	4992	6150	250 MCM
46230G73035M70	3x185+1x70	54,4	6000	7780	350 MCM
46230G73035M71	3x240+1x95	61,5	7824	9550	450 MCM
46230G73050M15	5x1,5	13	72	180	16
46230G73050M25	5x2,5	14,5	120	240	14
46230G73050M40	5x4	16	192	335	12
46230G73050M60	5x6	17,5	288	475	10
46230G73050M61	5x10	20	480	720	8
46230G73050M62	5x16	23	768	1060	6
46230G73050M63	5x25	28	1200	1645	4
46230G70071M15	7x1,5	13,5	100,8	220	16
46230G70071M25	7x2,5	15	168	310	14
46230G70101M15	10x1,5	16,5	144	310	16
46230G70101M25	10x2,5	19	240	440	14
46230G70121M15	12x1,5	17	172,8	370	16
46230G70121M25	12x2,5	19,5	240	525	14
46230G70141M15	14x1,5	18	201,6	430	16
46230G70141M25	14x2,5	20,5	336	610	14
46230G70191M15	19x1,5	19,5	273,6	560	16
46230G70191M25	19x2,5	22,5	456	745	14
46230G70241M15	24x1,5	22,5	345,6	710	16
46230G70241M25	24x2,5	25,5	576	1000	14

Other dimensions and colours available on request.