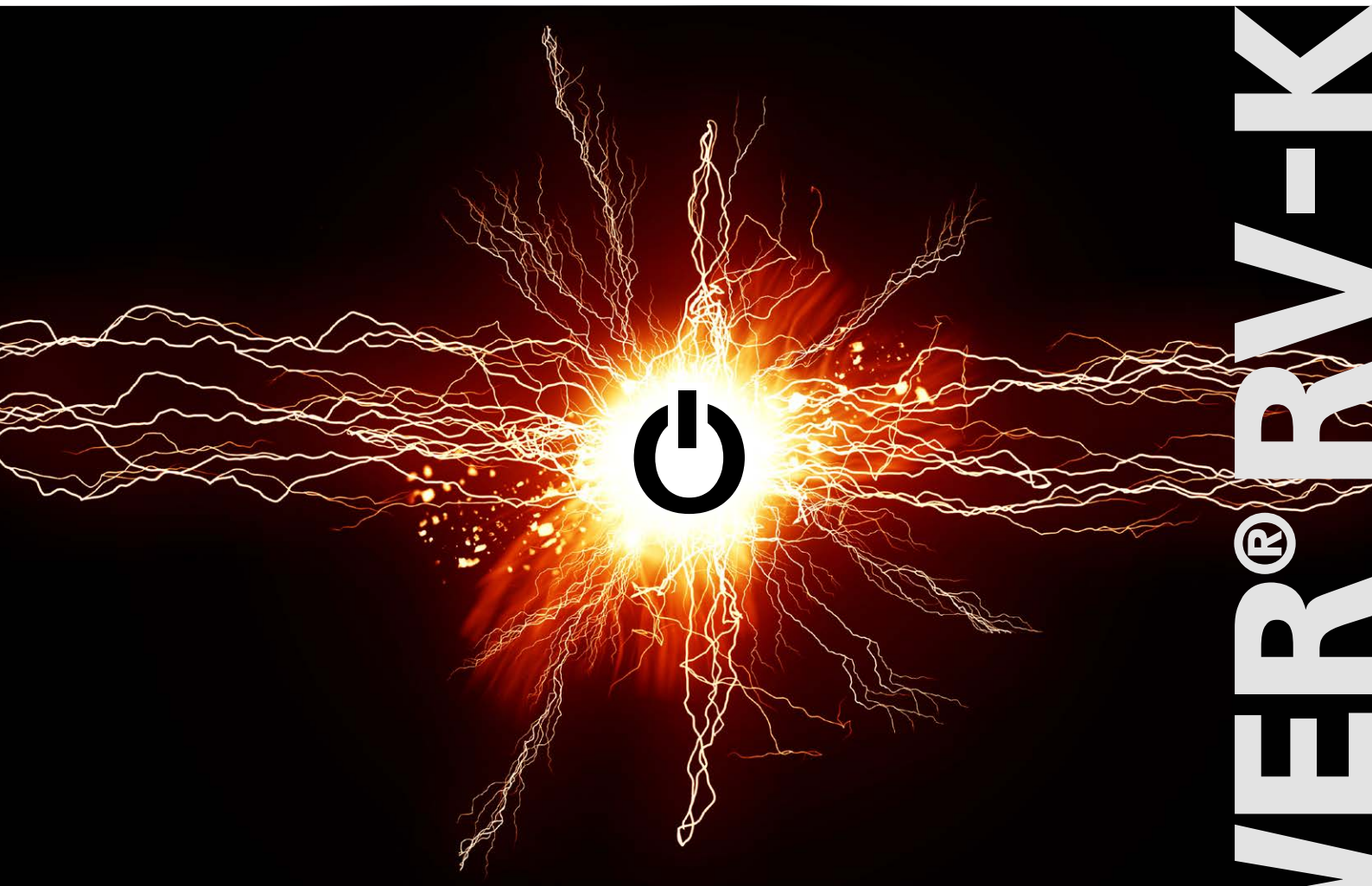




**HELUKABEL®**



**HELUPOWER® 1000 RV-K**

 **The ultimate in power transmission**

**HELUPOWER® 1000 RV-K**

# HELUPOWER® 1000 RV-K



HELUPOWER® HELUPOWER® 1000 RV-K

## POWER FEATURES:

- flexible 0.6/1kV power cable
- for AC & DC installations
- XLPE core insulation
- UV resistant
- oil resistant
- direct burial
- torsion tested
- AENOR certified

### TECHNICAL DATA

XLPE/PVC power cable acc. to IEC 60502-1, UNE 21123-2:2014

<b>Temperature range</b>	<b>flexing</b> -5°C to +90°C
	<b>fixed</b> -40°C to +90°C
<b>Short circuit temperature</b>	for 5 seconds +250°C
<b>Nominal voltage (AC)</b>	U <sub>0</sub> /U 0.6/1 kV
<b>Max. operating voltage (DC)</b>	U <sub>0</sub> /U 0.9/1.8 kV
<b>Test voltage</b>	4000 V
<b>Minimum bending radius</b>	<b>flexing</b> 10 x cable Ø
	<b>fixed</b> <25mm: 4 x cable Ø
	25 - 50mm: 5 x cable Ø
	>50mm: 6 x cable Ø

**Flame retardant acc. to**

DIN 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

### CABLE STRUCTURE

- bare copper conductor, fine wire, acc. to DIN VDE 0295 cl. 5, IEC 60228 cl. 5
- core insulation XLPE type DIX3 acc. to UNE HD 603-1
- core identification
  - ≤ 5 cores: color coded acc. to HD 308 S2
  - ≥ 6 cores: black with continuous white numbers acc. to EN 50334
- RC conductor is GN/YE in 3+RC types
- cables up to 10mm<sup>2</sup> are produced without filler
- outer sheath of PVC compound type DMV 18 acc. to UNE HD603-1
- with meter marking

### NOTE

- G = with green-yellow conductor
- X = without green-yellow conductor (OB)
- R (XLPE insulation) V (PVC sheath) - K (flexible conductor)
- cross sections with reduced cores are produced in ref. to AENOR standard

### APPLICATION

These cables are designed for flexible multi purpose power supply connections which can withstand medium mechanical stress when moving freely. Suitable for use in dry, moist and wet rooms. Also suitable for direct burial, laying in tubes and underground installation areas. Typical application areas range from general production machinery, to machine tool applications, conveyor belt systems, air-conditioning units, steel plant installations and factory automation. Ideal as power or control cable especially if increased temperature and/or voltage is required. UV resistant due to it's special PVC outer sheath compound and therefore also ideal as power connection cable for outdoor mobile and portable devices and machinery. Alternatively also for use as power connection cable in the stage and lighting industry or renewable energy sector.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11003798	1 x 1,5	4,9	14,4	50
11003799	2 x 1,5	8,5	28,8	145
11003800	3 G 1,5	9,0	43,2	165
11003801	3 x 1,5	9,0	43,2	165
11003802	4 G 1,5	9,7	57,6	190
11003803	4 x 1,5	9,7	57,6	190
11003804	5 G 1,5	10,5	72,0	215
11003805	5 x 1,5	10,5	72,0	215
11003806	7 G 1,5	11,5	100,8	300
11003807	7 x 1,5	11,5	100,8	300
11003808	10 G 1,5	13,2	144,0	390
11003809	10 x 1,5	13,2	144,0	390
11003810	12 G 1,5	14,6	172,8	440
11003811	12 x 1,5	14,6	172,8	440
11003812	16 G 1,5	16,3	230,4	550
11003813	16 x 1,5	16,3	230,4	550
11003816	19 G 1,5	17,5	273,6	620
11003817	19 x 1,5	17,2	273,6	620
11003818	24 G 1,5	20,1	345,6	760
11003819	24 x 1,5	20,1	345,6	760
11003822	1 x 2,5	5,3	24,0	65
11003823	2 x 2,5	9,3	48,0	195
11003824	3 G 2,5	9,8	72,0	210
11003825	3 x 2,5	9,8	72,0	210

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11003832	10 G 2,5	14,8	240,0	520
11003833	10 x 2,5	14,8	240,0	520
11003834	12 G 2,5	16,3	288,0	290
11003835	12 x 2,5	16,3	288,0	290
11003836	16 G 2,5	18,5	384,0	750
11003837	16 x 2,5	18,5	384,0	750
11003840	19 G 2,5	19,3	456,0	850
11003841	19 x 2,5	19,3	456,0	850
11003842	24 G 2,5	22,5	576,0	1040
11003843	24 x 2,5	22,5	576,0	1040
11003846	1 x 4	5,9	38,4	80
11003847	2 x 4	10,5	76,8	235
11003848	3 G 4	11,1	115,2	275
11003849	3 x 4	11,1	115,2	275
11003850	4 G 4	12,1	153,6	325
11003851	4 x 4	12,1	153,6	325
11003852	5 G 4	13,2	192,0	390
11003853	5 x 4	13,2	192,0	390
11003854	1 x 6	6,4	57,6	105
11003855	2 x 6	11,5	115,2	300
11003856	3 G 6	12,2	172,8	355
11003857	3 x 6	12,2	172,8	355
11003858	4 G 6	13,3	230,4	445
11003859	4 x 6	13,3	230,4	445

**NEW!**

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11003826	4 G 2,5	10,7	96,0	250
11003827	4 x 2,5	10,7	96,0	250
11003828	5 G 2,5	11,6	120,0	285
11003829	5 x 2,5	11,6	120,0	285
11003830	7 G 2,5	12,8	168,0	390
11003831	7 x 2,5	12,8	168,0	390
11003866	4 G 10	15,9	384,0	685
11003867	4 x 10	15,9	384,0	685
11003868	5 G 10	17,5	480,0	810
11003869	5 x 10	17,5	480,0	810
11003870	1 x 16	8,4	153,6	220
11003871	2 x 16	16,6	307,2	635
11003872	3 G 16	17,6	460,8	780
11003873	3 x 16	17,6	460,8	780
11003874	4 G 16	19,5	614,4	970
11003875	4 x 16	19,5	614,4	970
11003876	5 G 16	21,4	768,0	1150
11003877	5 x 16	21,4	768,0	1150
11003878	1 x 25	10,2	240,0	320
11003879	2 x 25	20,2	480,0	930
11003880	3 G 25	21,5	720,0	1160
11003881	3 x 25	21,5	720,0	1160
11003882	4 G 25	23,5	960,0	1450
11003883	4 x 25	23,5	960,0	1450
11003884	5 G 25	26,0	1200,0	1760
11003885	5 x 25	26,0	1200,0	1760
11003886	1 x 35	11,6	336,0	420
11003887	2 x 35	23,0	672,0	1220
11003888	3 G 35	24,7	1008,0	1535
11003889	3 x 35	24,7	1008,0	1535
11003890	4 G 35	27,1	1344,0	1960
11003891	4 x 35	27,1	1344,0	1960
11003892	5 G 35	30,0	1680,0	2345
11003893	5 x 35	30,0	1680,0	2345
11003894	1 x 50	13,1	480,0	560
11003895	2 x 50	26,2	960,0	1665
11003896	3 G 50	27,9	1440,0	2090
11003897	3 x 50	27,9	1440,0	2090
11003898	4 G 50	31,2	1920,0	2640
11003899	4 x 50	31,2	1920,0	2640
11003900	5 G 50	34,7	2400,0	3175
11003901	5 x 50	34,7	2400,0	3175
11003902	1 x 70	14,9	672,0	785
11003903	2 x 70	30,0	1344,0	2320
11003904	3 G 70	32,3	2016,0	2945
11003905	3 x 70	32,3	2016,0	2945
11003906	4 G 70	36,0	2688,0	3790
11003907	4 x 70	36,0	2688,0	3790
11003908	5 G 70	39,5	3360,0	4560
11003909	5 x 70	39,5	3360,0	4560
11003910	1 x 95	16,5	912,0	1050
11003911	2 x 95	33,4	1824,0	3025
11003912	3 G 95	35,8	2736,0	3925

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11003860	5 G 6	14,7	288,0	515
11003861	5 x 6	14,7	288,0	515
11003862	1 x 10	7,4	96,0	155
11003863	2 x 10	13,7	192,0	460
11003864	3 G 10	14,6	288,0	560
11003865	3 x 10	14,6	288,0	560
11003913	3 x 95	35,8	2736,0	3925
11003914	4 G 95	39,7	3648,0	4985
11003915	4 x 95	39,7	3648,0	4985
11003916	5 G 95	44,7	4560,0	6035
11003917	5 x 95	44,7	4560,0	6035
11003918	1 x 120	18,5	1152,0	1305
11003919	2 x 120	37,8	2304,0	3845
11003920	3 G 120	40,3	3456,0	4905
11003921	3 x 120	40,3	3456,0	4905
11003922	4 G 120	45,0	4608,0	6255
11003923	4 x 120	45,0	4608,0	6255
11003924	1 x 150	20,4	1440,0	1610
11003925	2 x 150	41,6	2880,0	4720
11003926	3 G 150	44,6	4320,0	6055
11003927	3 x 150	44,6	4320,0	6055
11003928	4 G 150	49,6	5760,0	7775
11003929	4 x 150	49,6	5760,0	7775
11003930	1 x 185	22,3	1776,0	1985
11003931	2 x 185	45,6	3552,0	5910
11003932	3 G 185	49,0	5328,0	7570
11003933	3 x 185	49,0	5328,0	7570
11003934	4 G 185	55,0	7104,0	9640
11003935	4 x 185	55,0	7104,0	9640
11003936	1 x 240	25,7	2304,0	2610
11003937	2 x 240	53,0	4608,0	7665
11003938	3 G 240	56,8	6912,0	9865
11003939	3 x 240	56,8	6912,0	9865
11003940	4 G 240	63,5	9216,0	12585
11003941	4 x 240	63,5	9216,0	12585
11003942	1 x 300	29,2	2880,0	3225
11003944	3 G 300	64,7	8640,0	12120
11003945	3 x 300	64,7	8640,0	12120
11003946	4 G 300	71,0	11520,0	15475
11003947	4 x 300	71,0	11520,0	15475
11003948	1 x 400	32,4	3840,0	3500
11003949	1 x 500	36,9	4800,0	5060
11003950	1 x 630	42,0	6048,0	6760
11007951	3x35 + 1G16	25,0	1162,0	1425
11007952	3x50 + 1G25	28,9	1680,0	2045
11007953	3x70 + 1G35	34,1	2352,0	2832
11007954	3x95 + 1G50	37,6	3216,0	3628
11007955	3x120 + 1G70	43,0	4128,0	4706
11007956	3x150 + 1G70	46,8	4992,0	5747
11007957	3x185 + 1G95	51,3	6240,0	7174
11007958	3x240 + 1G120	58,6	8064,0	9300
11007959	3x300 + 1G150	65,7	10080,0	11945

Dimensions and specifications may be changed without prior notice.

## HALOGEN-FREE ALTERNATIVES:

### HELUPOWER® H07RN-F LS0H

submersible, torsion resistant, oil and lubricant resistant



Part No. 30737

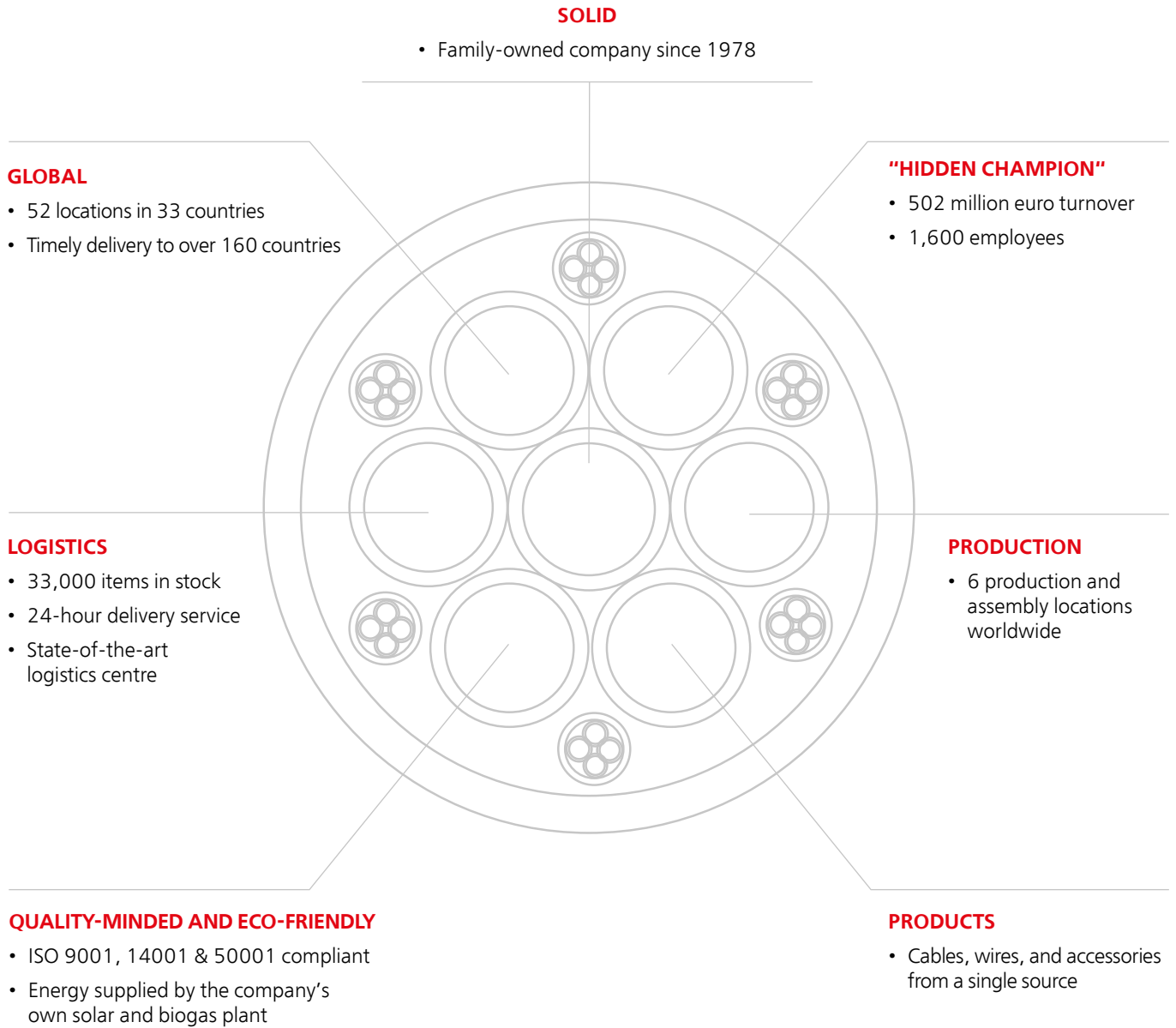
### HELUPOWER® RZ1-K

0.6/1 KV, for direct burial use, UV resistant



Part No. 11008070

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