

**PVC-om izoliran i oplašten energetski kabel**  
PVC insulated and sheathed power cable

HRN HD 603 S1 • DIN VDE 0276-603 • IEC 60502

**KONSTRUKCIJA / CONSTRUCTION****Vodič** Cu (bakreni) vodič, klase 1 (puni) ili klase 2 (višežični) prema EN 60228**a) Klasa 1:** okrugli (RE)  
**b) Klasa 2:** okrugli (RM)**Izolacija** PVC smjesa DIV-4 prema HD 603 S1-1**Ispuna** brizgana elastomerna ili plastomerna mješavina**Plašt** PE (polietilenska) smjesa DMP 2 prema HRN HD 603 S1-1

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**Conductor** Cu, class 1 or 2 acc. to EN 60228**a) Class 1:** solid, round (RE)  
**b) Class 2:** multi wire stranded, round (RM)**Insulation** PVC compound DIV-4 acc. to HD 603 S1-1**Filler** extruded elastomer or plastomer compound**Sheath** PE (polyethylene) compound DMP 2 acc. to HD 603 S1-1**TEHNIČKI PODACI / TECHNICAL DATA****Ekvivalenti:** E-Y2Y prema standardu ÖVE-K 603**Norme:** HRN HD 603 S1  
DIN VDE 0276-603  
IEC 60502**Nazivni napon:**  $U_0/U = 0,6/1$  kV  
**Ispitni napon:** 4 kV**Granični temperaturni uvjeti:**Minimalna temperatura polaganja: -5° C  
Radna temperatura: -20° C do +70° C  
Temperatura kratkog spoja max. 5s: 160° C**Test zapaljivosti:** Kabel je samogasiv prema EN 60332-1-2**Minimalni polumjer savijanja:** 12xØ kabela višežilni, 15xØ kabela za jednožilni

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**Equivalents:** E-Y2Y acc. to ÖVE-K 603**Standards:** HRN HD 603 S1  
DIN VDE 0276-603  
IEC 60502**Nominal voltage:**  $U_0/U = 0,6/1$  kV  
**Test voltage:** 4 kV**Temperature range:**Minimum temperature during installation: -5° C  
Fixed installed: -20° C do +70° C  
At short circuit of max. 5s: 160° C**Behaviour in fire:** Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2**Minimal inner bending radius:** 12xØ multi core, 15xØ single core

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**KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA**

Nazivni presjek	Izvedba vodiča	Vanjski promjer	Otpor vodiča na 20 °C	Strujno opterećenje (u zraku)	Strujno opterećenje (u zemlji)	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Shape of the conductor	Outer diameter	Conductor resistance at 20 °C	Current carrying capacity (air)	Current carrying capacity (ground)	Cu weight	Cable weight	Packing*
mm <sup>2</sup>		ca. mm	Ω/km	nom. A	nom. A	kg/km	ca. kg/km	
1 x 10	RE/RM	9,1	1,83	81	124	96	162	SP45 500
1 x 16	RE/RM	10,7	1,15	107	160	153,6	218	SP45 500
1 x 25	RM	12,5	0,727	144	208	240	338	SP50 500
1 x 35	RM	13,6	0,524	176	250	336	442	SP60 500
1 x 50	RM	15,4	0,387	214	296	480	573	SP70 500
2 x 1,5	RE	11,6	12,1	22	34	28,8	125	SP45 500
2 x 2,5	RE	12,4	7,41	30	45	48	161	SP50 500
2 x 4	RE	14,1	4,61	40	59	76,8	230	SP60 500
2 x 6	RE	15,1	3,08	51	73	115,2	305	SP60 500
3 x 1,5	RE	12,0	12,1	19	27	43,2	140	KOT 100, SP50 500
3 x 2,5	RE	12,9	7,41	25	36	72	186	KOT 100, SP50 500
3 x 4	RE	14,8	4,61	34	46	115,2	256	KOT 100, SP60 500
3 x 6	RE	15,9	3,08	43	58	172,8	354	SP70 500
3 x 10	RE/RM	17,6	1,83	59	78	288	520	DB09 500
3 x 16	RE/RM	21,0	1,15	78	101	460,8	768	DB09 500
3 x 25	RM	25,1	0,727	105	132	720	1196	DB10 500
3 x 35	RM	27,5	0,524	129	159	1008	1525	DB12 500
4 x 1,5	RE	13,0	12,1	19	27	57,6	165	KOT 100, SP50 500
4 x 2,5	RE	13,9	7,41	25	36	96	225	KOT 100, SP60 500
4 x 4	RE	15,8	4,61	34	46	153,6	326	KOT 100, SP70 500
4 x 6	RE	16,9	3,08	43	58	230,4	436	SP75 500
4 x 10	RE/RM	19,1	1,83	59	78	384	620	DB09 500
4 x 16	RE/RM	22,0	1,15	78	107	614,4	980	DB10 500
4 x 25	RM	27,8	0,727	105	132	960	1506	DB12 500
5 x 1,5	RE	13,3	12,1	19	27	72	192	KOT 100, SP60 500
5 x 2,5	RE	14,3	7,41	25	36	120	264	KOT 100, SP60 500
5 x 4	RE	16,7	4,61	34	46	192	369	KOT 100, SP75 500
5 x 6	RE	18,1	3,08	43	58	288	518	DB09 500
5 x 10	RE/RM	20,6	1,83	597	78	480	780	DB09 500
5 x 16	RE/RM	25,7	1,15	8	101	768	1198	DB10 500

**Moguća boja plašta / Sheath colour identification**

● (bk) crna / black

\* **Pakiranje:** KOT 100 = KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj, DB = kabel namotan na standardni bubanj  
\* Packing: KOT 100 = coil 100m, SP = cable on plywood reel, DB = cable on wooden drum

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**PRIMJENA / APPLICATION**

Energetski kabel za napajanje, za vanjsko polaganje, polaganje u zemlju, beton, u zatvorene prostorije, kabelske kanale, u elektranama i u industriji, u gradskim mrežama. Prednost ovog kabela je u tvrdoći vanjskog HDPE plašta, pa se može upotrebljavati u sredini gdje se mogu očekivati veća mehanička oštećenja.

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Distribution power cable for static outdoor application, in ground, within facilities, in cable canals, in concrete, in conditions where heavier mechanical loads and specially tensile strains, are expected. The advantage of this cable is in the hardness of HDPE outer shell, so it can be used in an environment where greater mechanical damage can be expected.

