



PRIMJENA / APPLICATION

Energetski kabel za napajanje, za vanjsko polaganje (uz zaštitu od direktnog ultraljubičastog zračenja), polaganje u zemlju, beton, u zatvorene prostorije, kableske kanale, u elektranama i u industriji, u gradskim mrežama, gdje se ne očekuju mehanička oštećenja, te kabeli nisu izloženi mehaničkim nateznim silama. Upotrebljava se u elektranama, trafostanicama, industrijskim pogonima, gradskim mrežama i drugim električnim postrojenjima.

Distribution and signal power cable for static outdoor application (with protection against direct UV-irradiation), in ground, within facilities, in cable canals, in concrete, in conditions where heavier mechanical loads and specially tensile strains, are not expected. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and in other electric plants, same as for connection of signalling devices in industry, traffic and similar.



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

HRN HD 603 S1 • ÖVE-K 603 • IEC 60502-1



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-1 prema HD 603.1

Ispuna brizgana elastomerna ili plastomerna mješavina

Plašt PVC smjesa DMV-1 prema HD 603.1

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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-1 acc. to HD 603.1

Filler extruded elastomer or plastomer compound

Sheath PVC compound DMV-1 acc. to HD 603.1

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TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti: PP00 prema standardu HRN N.C5 220
NYY prema standardu DIN VDE 0276-603

Norme: HRN HD 603 S1
ÖVE-K 603
IEC 60502-1

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 kabla višežilni, 15xØ kabla za jednožilni

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Equivalents: PP00 acc. to HRN N.C5 220
NYY acc. to DIN VDE 0276-603

Standards: HRN HD 603 S1
ÖVE-K 603
IEC 60502-1

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 kabla	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 ²		ca. mm	Ω/km	nom. A	nom. A	kg/km	ca. kg/km	
1 x 4	RE	7,5	4,61	37	50	40	85	KOT 100, SP40 500
1 x 6	RE	8,0	3,08	47	62	60	111	KOT 100, SP40 500
1 x 10	RE/RM	9,3	1,83	64	83	100	164	SP45 500
1 x 16	RE/RM	10,3	1,15	84	107	160	228	SP45 500, SP50 500
1 x 25	RM	12,1	0,727	114	138	250	336	SP60 500
1 x 35	RM	13,2	0,524	139	164	350	445	SP60 500
1 x 50	RM	15,0	0,387	169	195	500	598	SP70 500
2 x 1,5	RE	11,4	12,1	20	27	30	184	SP45 500
2 x 2,5	RE	12,2	7,41	25	36	50	218	SP50 500
2 x 4	RE	13,7	4,61	34	47	80	300	SP60 500
2 x 6	RE	14,7	3,08	43	59	120	348	SP60 500
3 x 1,5	RE	11,8	12,1	20	27	45	201	KOT 100, SP50 500
3 x 2,5	RE	12,7	7,41	25	36	75	243	KOT 100, SP50 500
3 x 4	RE	14,4	4,61	34	47	120	342	KOT 100, SP60 500
3 x 6	RE	15,5	3,08	43	59	180	425	SP70 500
3 x 10	RE/RM	17,2	1,83	59	79	300	594	DB08 500
3 x 16	RE/RM	20,6	1,15	79	102	480	835	DB08 500
3 x 25	RM	24,7	0,727	106	133	750	1180	DB10 500
3 x 35	RM	27,1	0,524	129	159	1050	1460	DB10 500
4 x 1,5	RE	12,6	12,1	20	27	60	204	KOT 100, SP50 500
4 x 2,5	RE	13,5	7,41	25	36	100	274	KOT 100, SP60 500
4 x 4	RE	15,4	4,61	34	47	160	378	KOT 100, SP70 500
4 x 6	RE	16,5	3,08	43	59	240	482	DB08 500
4 x 10	RE/RM	18,8	1,83	59	79	400	689	DB08 500
4 x 16	RE/RM	21,6	1,15	79	102	640	986	DB09 500
4 x 25	RM	27,4	0,727	106	133	1000	1420	DB10 500
5 x 1,5	RE	13,0	12,1	20	27	75	239	KOT 100, SP60 500
5 x 2,5	RE	13,9	7,41	25	36	125	306	KOT 100, SP60 500
5 x 4	RE	16,2	4,61	34	47	200	418	DB08 500
5 x 6	RE	17,7	3,08	43	59	300	564	DB08 500
5 x 10	RE/RM	20,2	1,83	59	79	500	854	DB09 500
5 x 16	RE/RM	25,5	1,15	79	102	800	1205	DB10 500

Moguća boja plašta / Sheath colour identification

● (bk) crna / black

* Pakiranje: 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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