



PRIMJENA / APPLICATION

Energetski kabel za napajanje, za vanjsko polaganje, polaganje u zemlju, beton, u zatvorene prostorije, kableske kanale, 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 gdje se očekuju viša strujna i termička opterećenja (radna temperatura vodiča do 90 °C).

...

Distribution and signal power cable for static application in ground, within facilities, in cable canals, in concrete, where heavier mechanical stresses are not expected, and the cable has to be protected against mechanical damages, also in conditions where cables are not exposed to heavier tensile strains. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and in other electric plants where heavier current and thermal loads are expected (operating temperature of conductor up to 90 °C).

Energetski kabel izoliran XLPE-om, oplašten PVC-om
XLPE insulated, PVC sheathed power cable

HRN HD 603 S1 • DIN VDE 0276-603 • 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

umreženi polietilen: XLPE smjesa DIX-3 prema HD 603 S1

Ispuna

brizgana elastomerna ili plastomerna mješavina

Plast

PVC smjesa DMV-6 prema HD 603 S1

...

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

XLPE-compound DIX 3 acc. to HD 603 S1

Filler

(in multi wire cables) extruded elastomer or plastomer compound

Sheath

PVC compound DMV-6 acc. to HD 603 S1

.....

TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti:

XP00 prema standardu HRN N.C5 230
Cu/XLPE/PVC prema standardu BS 5467

Norme:

HRN HD 603 S1
DIN VDE 0276-603
IEC 60502-1

Nazivni napon:

U₀/U = 0,6/1 kV

Ispitni napon:

4 kV

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -5° C
Radna temperatura: -30° C do +90° C
Temperatura kratkog spoja max. 5s: 250° C

Test zapaljivosti:

Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja:

12xØ kabela višežilni, 15xØ kabela za jednožilni

...

Equivalents:

XP00 acc. to HRN N.C5 230
Cu/XLPE/PVC acc. to BS 5467

Standards:

HRN HD 603 S1
DIN VDE 0276-603
IEC 60502-1

Nominal voltage:

U₀/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: 250° 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

.....

MIVIKO

high tech copper cables

Energetski kabel izoliran XLPE-om, oplašten PVC-om
XLPE insulated, PVC sheathed power cable

HRN HD 603 S1 • DIN VDE 0276-603 • IEC 60502-1

.....

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 ²		ca. mm	Ω/km	nom. A	nom. A	kg/km	ca. kg/km	
1 x 10	RE/RM	9,3	1,83	77	89	96	142	SP40 500
1 x 16	RE/RM	10,4	1,15	102	115	153,6	205	SP45 500
1 x 25	RM	12,1	0,727	138	148	240	303	SP50 500
1 x 35	RM	13,2	0,524	170	177	336	394	SP60 500
1 x 50	RM	14,8	0,387	207	209	480	516	SP60 500
2 x 1,5	RE	9,5	12,1	26	37	28,8	126	SP45 500
2 x 2,5	RE	10,2	7,41	36	49	48	157	SP45 500
2 x 4	RE	11,4	4,61	49	64	76,8	200	SP50 500
2 x 6	RE	12,4	3,08	63	79	115,2	253	SP60 500
3 x 1,5	RE	9,9	12,1	24	31	43,2	147	KOT 100, SP45 500
3 x 2,5	RE	10,8	7,41	32	40	72	187	KOT 100, SP50 500
3 x 4	RE	12,0	4,61	42	52	115,2	243	KOT 100, SP60 500
3 x 6	RE	13,1	3,08	53	64	172,8	315	SP60 500
3 x 10	RE/RM	16,3	1,83	74	86	288	495	DB08 500
3 x 16	RE/RM	18,5	1,15	98	112	460,8	712	DB08 500
3 x 25	RM	22,7	0,727	133	145	720	1038	DB09 500
4 x 1,5	RE	11,2	12,1	24	31	57,6	173	KOT 100, SP50 500
4 x 2,5	RE	12,2	7,41	32	40	96	224	KOT 100, SP50 500
4 x 4	RE	13,8	4,61	42	52	153,6	292	KOT 100, SP60 500
4 x 6	RE	15,0	3,08	53	64	230,4	382	DB08 500
4 x 10	RE/RM	18,3	1,83	74	86	384	612	DB08 500
4 x 16	RE/RM	21,0	1,15	98	112	614,4	889	DB09 500
4 x 25	RM	27,3	0,727	133	145	960	1328	DB10 500
5 x 1,5	RE	13,3	12,1	24	31	72	205	KOT 100, SP50 500
5 x 2,5	RE	14,3	7,41	32	40	120	267	KOT 100, SP60 500
5 x 4	RE	16,7	4,61	42	52	192	358	DB08 500
5 x 6	RE	18,1	3,08	53	64	288	471	DB08 500
5 x 10	RE/RM	22,4	1,83	74	86	480	745	DB08 500
5 x 16	RE/RM	25,7	1,15	98	112	768	1066	DB09 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

.....

www.miviko-cables.com