


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

HD 603 S1/5A • NBN C33-322


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-1 prema HD 603-1

Ispuna brizgana elastomerna ili plastomerna mješavina

Plast PVC smjesa DMV-2 prema 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 XLPE-compound DIX1 acc. to HD 603 S1-1

Filler extruded elastomer or plastomer compound

Sheath PVC compound DMV-2 acc. to HD 603 S1-1

TEHNIČKI PODACI / TECHNICAL DATA
Ekvivalenti: XP00 prema standardu HRN N.C5 230
 Cu/XLPE/PVC prema standardu BS 5467

Norme: HD 603 S1/5A
 NBN C33-322

Nazivni napon: $U_0/U = 0,6/1$ 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 višežični, 15xØ kabela za jednožični

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

Standards: HD 603 S1/5A
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Nominal voltage: $U_0/U = 0,6/1$ kV
Test voltage: 4 kV

Temperature range:

 Minimum temperature during installation: -5° C
 Fixed installed: -30° C do +90° 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

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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 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 500K
5 x 1,5	RE	13,3	12,1	24	31	72	205	OT 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