



PRIMJENA / APPLICATION

Vod tipa NHXMH upotrebljava u kućanstvu i industriji, u objektima u kojima se ljudski životi ili imovina moraju zaštititi od štete prouzročene požarom. Koristi se kao bezhalogena alternativa NYM kabele. Upotrebljava se za javne objekte, industrijske komplekse, elektrane, hotele, bolnice, škole, robne kuće, metroe, aerodrome itd. Polazu se ispod ili na žbuku, u zidove, u beton, u navlaženim ili suhim kanalima. Pogodan za suhu, vlažnu i mokru okolinu, ali nije za izravno polaganje u zemlju i vodu. U slučaju požara ne ispušta otrovne i korozivne plinove, ne širi plamen u okomitom snopu kabela i reducira pojavu dima.

Halogen-free installation cable suitable for application in household and industry, in facilities where human lives or valuable property need to be protected against damages caused by fire. Used as halogen-free alternative to NYM cable. Recommended for public buildings frequented by a lot of people, and for buildings of high material value, for industrial complexes, electric power plants, transformer stations, municipal facilities, hotels, shopping malls, hospitals, schools, airports, underground railways and similar. Laid in, on or under plaster, in walls or in concrete, directly or in cable canals, without special mechanical protection, but not in dry or prestressed concrete. Suitable for dry, damp or wet environment, for internal or outdoor application (only if the cable is protected against direct sunlight). Advantages: halogen-free, no release of toxic or corrosive gases under fire, reduced smoke occurrence under fire, no flame propagation in vertical cable bundle.



Bezhalogeni instalacijski kabel 300/500V

Halogen free installation cable 300/500V

DIN VDE 0250-214



KONSTRUKCIJA / CONSTRUCTION

Vodič

Cu (bakreni) vodič, klase 1 (puni) ili klase 2 (višežični) prema EN 60228

Izolacija vodiča

umreženi PE, XLPE, tip 2X11 prema HD 604 S1 / DIN VDE 0276-604

Ispuna

HFFR bezhalogena polimerna mješavina

Plast

HFFR bezhalogena polimerna mješavina tip HM2 prema DIN VDE 0250-214

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Conductor

bare copper conductor class1 or class 2, acc. to EN 60228

Insulation

cross-linked polymer, type 2X11 acc. to HD 604 S1 / DIN VDE 0276-604

Filler

HFFR extruded halogen-free polymer

Sheath

HFFR extruded halogen-free polymer, type HM2 acc. to DIN VDE 0250-214



TEHNIČKI PODACI / TECHNICAL DATA

Norme: DIN VDE 0250-214

Nazivni napon: $U_0/U = 300/500$ V

spitni napon: 2000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -5° C

Radna temperatura: -20° C do +70° C

Temperatura kratkog spoja max. 5s: 160° C

Test zapaljivosti: EN 60332-3

Minimalni polumjer savijanja: 10xØ kabela višežilni, 15xØ kabela za jednožilni

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Standards: DIN VDE 0250-214

Nominal voltage: $U_0/U = 300/500$ V

Test voltage: 2000 V

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: EN 60332-3

Minimal inner bending radius: 10xØ multi core, 15xØ single core

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KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek Construction	Vanjski promjer Outer diameter	Otpor vodiča na 20 °C Conductor resistance at 20 °C	Cu broj Cu weight	Težina kabela Cable weight	Standardno pakiranje* Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
1 x 1,5	5,3	12,1	14,4	44	KOT 100, SP40 500
1 x 2,5	5,7	7,41	24	55	KOT 100, SP40 500
1 x 4	6,4	4,61	38,4	74	KOT 100, SP40 500
1 x 6	6,8	3,08	57,6	105	KOT 100, SP40 500
1 x 10	7,9	1,83	96	155	KOT 100, SP40 500
1 x 16	9,0	1,15	153,6	230	KOT 100, SP45 500
2 x 1,5	8,3	12,1	28,8	115	KOT 100, SP40 500
2 x 2,5	9,1	7,41	48	190	KOT 100, SP45 500
2 x 4	10,5	4,61	76,8	195	KOT 100, SP50 500
3 x 1,5	8,7	12,1	43,2	135	KOT 100, SP40 500
3 x 2,5	9,5	7,41	72	190	KOT 100, SP45 500
3 x 4	11,0	4,61	115,2	265	KOT 100, SP50 500
3 x 6	12,5	3,08	172,8	315	KOT 100, SP60 500
3 x 10	15,8	1,83	288	465	KOT 100, DB08 500
4 x 1,5	9,3	12,1	57,6	160	KOT 100, SP45 500
4 x 2,5	10,2	7,41	96	230	KOT 100, SP50 500
4 x 4	12,3	4,61	153,6	330	KOT 100, SP605 500
4 x 6	13,9	3,08	230,4	460	KOT 100, DB08 500
4 x 10	17,3	1,83	384	690	DB08 500
4 x 16	20,5	1,15	614,4	1090	DB09 500
5 x 1,5	10,0	12,1	72	190	KOT 100, SP45 500
5 x 2,5	11,0	7,41	120	270	KOT 100, SP60 500
5 x 4	13,7	4,61	192	410	KOT 100, DB08 500
5 x 6	15,0	3,08	288	540	KOT 100, DB08 500
5 x 10	18,8	1,83	480	870	DB09 500
5 x 16	22,8	1,15	768	1350	DB10 500
7 x 1,5	10,9	12,1	100,8	235	KOT 100, SP50 500
7 x 2,5	12,3	7,41	168	350	KOT 100, SP50 500

Moguća boja plašta / Sheath colour identification

● (gy) siva / grey

*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

