

ENERGETSKI KABL · POWER CABLE

NYFGY

PVC-izolovani energetski kabl sa armaturom od plosnatih pocinkovanih čeličnih žica i PVC plaštom, 0,6/1 kV i 3,6/6 kV (NYFGY, VDE 0271 ≈ JUS PP45).

PVC-insulated power cable with flat galvanized steel-wire armour and PVC sheath, 0.6/1 kV and 3.6/6 kV (NYFGY, VDE 0271 ≈ JUS PP45).



PRIMENA / APPLICATION

Razvodni kabl za industrijska postrojenja i razvodne ormane. Za fiksno polaganje u objektima, direktno u zemlju, u vodi i u betonu, uz visoka mehanička opterećenja.

Distribution cable for industrial plants and switchgear. For fixed installation indoors, direct burial in ground, in water and in concrete, under heavy mechanical load.

KONSTRUKCIJA / CONSTRUCTION

Provodnik / Conductor: Cu, klasa 1 (od 25 mm² kl. 2) / bare Cu

Izolacija / Insulation: PVC (YI4)

Unut. plašt / Inner sheath: PVC

Armatura / Armour: Plosnate pocink. čel. žice / flat galv. steel

IDENTIFIKACIJA ŽILA / CORE ID

NYFGY-J (0,6/1 kV): boje prema VDE 0293 / HD 308 — sa zeleno-žutim zaštitnim provodnikom (3-žilni: ž/z, braon, crna; 4-žilni + neutralni). NYFGY 3,6/6 kV: provodnici u prirodnoj boji (natur). UV-otporan, za spoljnu montažu i direktno polaganje u zemlju.

NYFGY-J (0.6/1 kV): colours per VDE 0293 / HD 308 — with green-yellow protective conductor (3-core: g/y, brown, black; 4-core with neutral). NYFGY 3.6/6 kV: cores in natural colour. UV-resistant, suitable for outdoor use and direct burial.

TEHNIČKE KARAKTERISTIKE / SPECS

Napon U_o/U / Voltage **0,6/1 · 3,6/6 kV**

Ispitni napon / Test voltage **4 / 11 kV**

Maks. temp. provodnika / Max. cond. **70 °C**

Radna temp. / Operating temp. **-5 – +70 °C**

Savijanje / Bending radius **15 × D**

Vatrootpornost / Flame retard. **IEC 60332-1-2**

STANDARDI / STANDARDS

VDE 0271 · IEC 60332-1-2 · HD 308 (≈ JUS/SRPS PP45)

DIMENZIJE I PODACI / DIMENSION & DATA

Žile x presek CORES x SECT.	Napon VOLTAGE	Oblik SHAPE	Otpor 20°C RESISTANCE	Struja vazduh CURRENT AIR	Struja zemlja CURRENT EARTH	Spolj. prečnik OUTER Ø	Masa bakra COPPER WT.	Masa CABLE WT.
n x mm ²	kV	SM/SMv	Ω/km	A	A	mm	kg/km	kg/km
3x25/16	0,6/1	SM	0,727	106	133	26	874	2396
3x35/16	0,6/1	SM	0,524	129	159	28	1162	2585
3x50/25	0,6/1	SMv	0,387	157	188	33	1680	3100
3x70/35	0,6/1	SMv	0,268	199	232	35	2352	4028
3x95/50	0,6/1	SMv	0,193	246	280	40	3216	4750
3x120/70	0,6/1	SMv	0,153	285	318	43	4128	6000
3x150/70	0,6/1	SMv	0,124	326	359	47	4992	7320
3x240/120	0,6/1	SMv	0,0754	445	473	58	8064	10000
4x50	0,6/1	SMv	0,387	157	188	35	1920	3539
4x185	0,6/1	SMv	0,0991	374	406	55	7104	10129

DIMENZIJE I PODACI (NASTAVAK) / DIMENSION & DATA (CONT.)

Žile x presek CORES x SECT.	Napon VOLTAGE	Oblik SHAPE	Otpor 20°C RESISTANCE	Struja vazduh CURRENT AIR	Struja zemlja CURRENT EARTH	Spolj. prečnik OUTER Ø	Masa bakra COPPER WT.	Masa CABLE WT.
n x mm ²	kV	SM/SMv	Ω/km	A	A	mm	kg/km	kg/km
3x35	3,6/6	SM	0,524	131	157	37	1008	2450
3x50	3,6/6	SMv	0,387	159	185	37,8	1440	2970
3x70	3,6/6	SMv	0,268	202	226	40,1	2016	3790
3x95	3,6/6	SMv	0,193	244	275	43,1	2736	4625
3x120	3,6/6	SMv	0,153	282	313	46,1	3456	5450
3x150	3,6/6	SMv	0,124	316	352	49,2	4320	6410
3x185	3,6/6	SMv	0,0991	362	397	52,2	5328	7670
3x240	3,6/6	SMv	0,0754	427	460	56,5	6912	9420

NAPOMENE / NOTES

- Strana 2: NYFGY-J 0,6/1 kV; strana 3: NYFGY 3,6/6 kV. Oblik provodnika: SM = sektorski užetani, SMv = sektorski užetani zbijeni. / Page 2: NYFGY-J 0.6/1 kV; page 3: NYFGY 3.6/6 kV. Conductor shape: SM = sector stranded, SMv = sector stranded compacted.
- Struje: u vazduhu na 30 °C, u zemlji na 20 °C; otpor provodnika na 20 °C (EN 60228, klasa 2). Radna temperatura -5 do +70 °C. / Currents: in air at 30 °C, in earth at 20 °C; conductor resistance at 20 °C (EN 60228, class 2). Operating temperature -5 to +70 °C.
- Masa bakra je masa provodnog metala (≈ 9,6 kg/km po mm²); masa je neto masa kabla po km. Spoljni prečnici su orijentacioni. / Copper weight is the conducting-metal weight (≈ 9.6 kg/km per mm²); cable weight is the net weight per km. Outer diameters are indicative.
- Provodnik klase 1 do 16 mm², od 25 mm² klasa 2. UV-otporan, plamen-usporavajući. Sve vrednosti su orijentacione i podložne izmenama bez najave. / Conductor class 1 up to 16 mm², from 25 mm² class 2. UV-resistant, flame-retardant. All values are indicative and subject to change without notice.