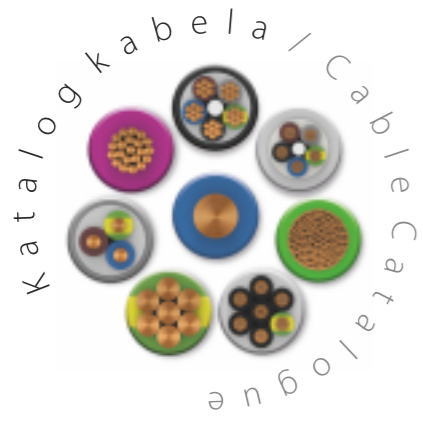




www.miviko-cables.com



MIVIKO high tech copper cables

Katalog kabela / Cable Catalogue

MIVIKO
high tech copper cables





MIVIKO
high tech copper cables

MIVIKO
high tech copper cables

DOBRODOŠLI / WELCOME

U SVIJET KABELA / IN THE CABLE WORLD

DOBRODOŠLI / WELCOME

Poštovani partneri,

zadovoljstvo nam je predstaviti Vam novi, dopunjeni Katalog proizvoda tvrtke MIVIKO d.o.o., proizvođača nisko-naponskih električnih vodova i kabela (do 1 kV) i savitljivih rebrastih zaštitnih crijeva.

Tvrtka je osnovana 2008. godine, sa sjedištem u Posušju, Bosna i Hercegovina. U svojoj suvremenoj, tehnološki najmodernijoj tvornici u okruženju, puštenoj u rad 2011. godine, tvrtka trenutno zapošljava 130 specijaliziranih i visoko motiviranih zaposlenika, prosječne starosne dobi ispod 35 godina. Uspostavom učinkovitog lanca vrijednosti i uz najniže troškove poslovanja, tvrtka proizvodi proizvode certificirane prema najstrožim međunarodnim standardima kvalitete.

Trajna orijentacija prema zadovoljstvu partnera po načelu "PARTNER U FOKUSU", kontinuirano poboljšanje sustava upravljanja kvalitetom i zaštitom okoliša te optimizacija proizvodnih procesa strateške su odrednice tvrtke, što potvrđuju i certifikati Sustava ISO 9001:2015 te ISO 14001:2015.

Misija tvrtke je osigurati partnerima i tržištu proizvode i servis visoke kvalitete, uz pristupačne cijene i u dogovorenim rokovima; vlasnicima održivi rast i profitabilnost poslovanja, a svojim zaposlenicima ugodno, motivirajuće i perspektivno okruženje i zadovoljstvo pripadnošću timu.

Vizija tvrtke je postati prvim izborom svojih postojećih i novih poslovnih partnera kod njihovih potreba za vodovima i kabelima iz sadašnjeg i budućeg proizvodnog asortimana tvrtke MIVIKO.

Vaš MIVIKO tim

•••

Dear partners,

We are pleased to present to you the new, updated Product Catalogue of the company MIVIKO d.o.o., a manufacturer of low-voltage electric wires and cables (for voltages up to 1 kV) and flexible corrugated electrical conduits.

The company was founded in 2008, with its headquarters in Posušje, Bosnia and Herzegovina. In its state-of-the-art factory, launched in 2011, MIVIKO currently employs 130 specialized and highly motivated employees, mostly under the age of 35. By establishing an efficient value chain and with the lowest operating costs, the company produces products certified to the most stringent international quality standards.

Strategic determinants of the company are permanent orientation towards partner satisfaction based on the "PARTNER IN FOCUS" principle, continuous optimization of production processes and improvement of the 9001:2015 and ISO 14001: 2015 certified Quality and Environmental Management Systems.

The company mission is to provide partners and the market with high quality products and services, at affordable prices and within agreed deadlines; sustainable growth and business profitability for the owners, and a pleasant, motivating and perspective environment and satisfaction with team membership for its employees.

The company vision is to become the first choice of its existing and new business partners in their needs for wires and cables from the current and future product range of MIVIKO.

Your MIVIKO team



OPĆE INFORMACIJE
GENERAL INFORMATION

PREGLED I ZNAČENJE KORIŠTENIH PIKTOGRAMA
LEGEND OF PICTOGRAMS

PVC-OM IZOLIRANI/OPLAŠTENI VODOVI I KABELI
PVC INSULATED/SHEATHED WIRES AND CABLES

H07V-U • H07V-R • H07V-K • H05V-K
AT-N05VV-U;R • NYM • CYKY • CH-N1VV-U;R
H05VV-F • H03VV-F • H03VVH2-F • AT-N07V3V3-F • XYMM

POLIURETANOM OPLAŠTENI KABELI
POLYURETHANE SHEATHED CABLES

H07BQ-F • H05BQ-F

GUMOM IZOLIRANI I OPLAŠTENI KABELI
RUBBER INSULATED AND SHEATHED CABLES

H07RN-F • H05RR-F

ENERGETSKI KABELI 0,6/1 kV
POWER CABLES 0,6/1 kV

E-YY • NYY • E-Y2Y • NY2Y • N2XY • FG7(O)R • FG16(O)R16 • U-1000 R2V

PVC-OM IZOLIRANI I OPLAŠTENI SIGNALNI KABELI
PVC INSULATED AND SHEATHED CONTROL CABLES

YSLY • YSLY 0,6/1 kV • YSLCY • YSLCYCY • YSLYCY 0,6/1 kV
YSLYQY • H05VV5-F • H05VVC4V5-K • LIYY • LIYCY

BEZHALOGENI KABELI I VODOVI
HALOGEN-FREE CABLES AND WIRES

H07Z-U • H07Z-R • H07Z-K • H05Z-K
NHXMH • HMM • FEOD
N2XH
HSLH • HSLCH

BAKRENA UŽAD
COPPER ROPES

BAKRENO UŽE / COPPER ROPE
BAKRENO NADZEMNO UŽE / OVERHEAD COPPER ROPE

SAVITLJIVE REBRASTE CIJEVI
CORRUGATED ELECTRICAL CONDUITS

MIVIFLEX-PP • MIVIFLEX-EX • MIVIFLEX-EXP

KVALITETA I OKOLIŠ
QUALITY AND ENVIRONMENT

TEHNIČKE INFORMACIJE
TECHNICAL INFORMATION

Označavanje vodova i kabela / Type designation codes for cables
Obilježavanje žila bojama / Colour coding for wires and cables
Pakiranje kabela / Packing
Karakteristike izolacijskih materijala / Properties of insulation and sheath compounds

SADRŽAJ / CONTENT





OPĆE INFORMACIJE GENERAL INFORMATION



POSUŠJE

Posušje je grad i općina u Zapadnohercegovačkoj županiji u Bosni i Hercegovini, koja zauzima površinu od 461 km². Prema zadnjem popisu stanovništva iz 2013. ima 20.477 stanovnika.

Posušje je udaljeno 29 km od Širokog Brijega, 50 km od Mostara, 10 km od Imotskog, te 100 km od Splita

Nalazi se na raskrižju putova: Mostar – Imotski – Split, Mostar – Tomislavgrad – Livno te Ploče – Ljubuški – Grude – Rama – Uskoplje – Travnik (Put spasa u izgradnji).

Posušje is city and municipality in the County of West Herzegovina in Bosnia and Herzegovina, which covers an area of 461 km². According to last population census in 2013. the city has 20,477 citizens.

Posušje is located 29 km from Široki Brijeg, 50 km from Mostar, 10 km from Imotski, and 100 km from Split.



KONTAKT INFORMACIJE CONTACTS

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PREGLED I ZNAČENJE KORIŠTENIH PIKTOGRAMA LEGEND OF PICTOGRAMS



certificiran kabel
certified cable



kabel sukladan Niskonaponskoj direktivi
cable conforms to Low voltage directive



otpornost prema gorenju: IEC 60332-3
flame retardant acc. IEC 60332-3



otpornost prema gorenju: IEC 60332-1
flame retardant acc. IEC 60332-1



Kabel sa smanjenom emisijom dima
low smoke emission cable



bezhalogeni kabel
halogen-free cable



kabel otporan na ulje
oil resistant cable



kabel otporan na UV zračenje
UV resistant cable



kabel s EMC zaštitom
EMC protected cables



maksimalna dozvoljena temperatura vodiča
max. permitted conductor temperature



minimalna temperatura polaganja
min. installation temperature

PIKTOGRAM / PICTOGRAM

također zvan i piktograf je ideogram koji svoje značenje izražava preko slikovne sličnosti sa fizičkim objektom. Piktografi se često koriste u pisanju i grafičkim sustavima u kojima su simboli u znatnoj mjeri slikovitog izgleda. Piktografija je oblik pisanja koji koristi reprezentativne, slikovne crteže. Bazira se na klinastom pismu i u jednom dijelu hijeroglifima, koji također koriste crteže kao fonetička slova ili određene rime.

also called a pictogramme or pictograph, is an ideogram that conveys its meaning through its pictorial resemblance to a physical object. Pictographs are often used in writing and graphic systems in which the characters are to a considerable extent pictorial in appearance. Pictography is a form of writing which uses representational, pictorial drawings. It is a basis of cuneiform and, to some extent, hieroglyphic writing, which also uses drawings as phonetic letters or determinative rhymes.

Uredba o građevinskim proizvodima (br. 305/2011) Construction Products Regulation (No. 305/2011)

OPSEG PRIMJENE / SCOPE OF APPLICATION

Uredba (EU) No. 305/2011 Construction Products Regulation (CPR) je europska regulativa o građevnim proizvodima. Uredbom se utvrđuju osnovni usklađeni zahtjevi i bitne karakteristike koje svi proizvodi namijenjeni trajnoj ugradnji u građevine moraju zadovoljiti u okvirima svoje namjene.

Uredba (EU) No. 305/2011 (CPR) obuhvaća sve građevinske proizvode namijenjene trajnoj instalaciji, uključujući kabele, u građevinskim zgradama, poput civilnih, javnih i inženjerskih zgrada.

Implementacija nove europske uredbe o CPR-u obvezuje proizvođače, distributere, voditelje projekata i instalatere u Europskoj uniji da proizvode, distribuiraju, propisuju i instaliraju kabele u skladu s usklađenim standardom **EN 50575**.

Ovaj novi europski klasifikacijski sustav omogućuje jednostavnu usporedbu različitih proizvoda kako bi se odabrao najprikladniji kabel za svaku vrstu instalacije.

Regulation (EU) No. 305/2011 Construction Products Regulation (CPR) is a European regulation regarding construction products. Regulation lays down harmonised basic requirements and essential characteristics that all products designed for a permanent incorporation in civil engineering works are to satisfy for the scope of application.

Regulation (EU) No. 305/2011 (CPR) covers all construction products designed for permanent installation, including cables, in construction buildings, such as civil buildings, public buildings, and engineering buildings.

The implementation of the new European CPR regulation obliges manufacturers, distributors, project managers and installers in the European Union to manufacture, distribute, prescribe and install cables that comply with the harmonised standard **EN 50575**.

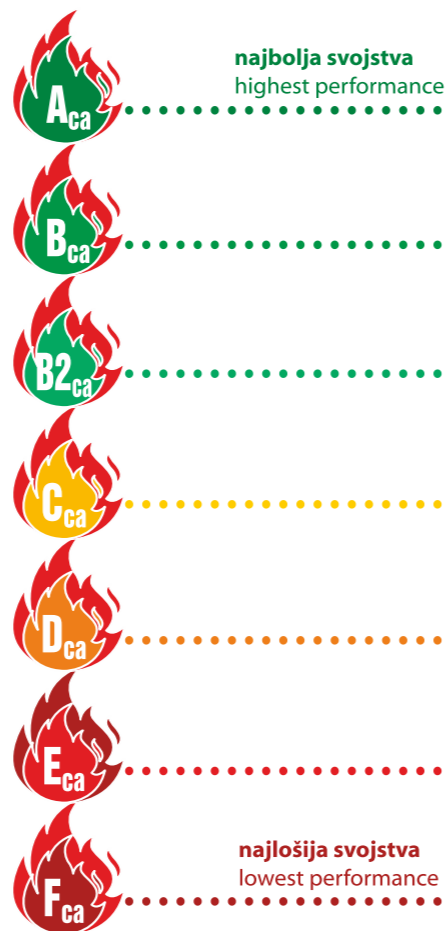
This new European classification system enables the easy comparison of different products in order to select the most suitable cable for each type of installation.

CPR klasifikacija i dodatni parametri

CPR classification and additional parameters

Kabele su razvrstani u 7 klasa reakcije na vatru koje su označene slovima od «F» do «A», u rasponu od najlošijih do najboljih svojstava te oznakom «ca» (kabel).

Cables are classified into 7 classes of Reaction to Fire identified by letters from «F» to «A», ranging from the lowest to the highest performance, and the subscript «ca» (cable).



Uredba o građevinskim proizvodima (br. 305/2011) Construction Products Regulation (No. 305/2011)

Osim glavne glavne klasifikacije, europska tijela također su propisala korištenje sljedećih dodatnih parametara:

Besides the main classification, the European Authorities have also prescribed the use of the following additional parameters:



s..... Količina proizvedenog dima/neprozirnost dima (s1/s1a/s1b-s2-s3)
The amount of smoke produced/smoke opacity (s1/s1a/s1b-s2-s3)



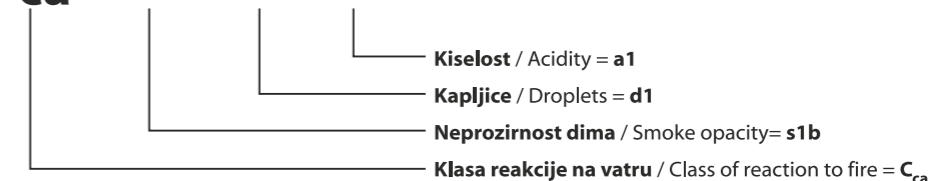
d..... Kapljice koje kabel oslobađa tijekom izgaranja (d0-d1-d2)
Droplets released by the cable during combustion (d0-d1-d2)



a..... Kiselost ili toksičnost dima (a1-a2-a3)
The acidity or toxicity of the smoke (a1-a2-a3)

Primjer klasifikacije / Example of classification

C_{ca} - s1b, d1, a1



CE oznaka i Izjava o svojstvima (DoP) CE marking and Declaration of Performance (DoP)

Postavljanjem CE oznake na proizvod, proizvođač preuzima punu odgovornost za usklađenost proizvoda u skladu sa svojstvima deklariranim u Izjavi o svojstvima (DoP).

By affixing the CE marking on the product, the manufacturer takes full responsibility for the conformity of the product in accordance with the performance declared in the DoP.

Izdavanjem DoP -a proizvođač preuzima odgovornost za usklađenost proizvoda s deklariranim svojstvima. Razine performansi moraju biti prikazane na oznakama proizvoda kao dio novih zahtjeva u svezi s CE oznakom. Kabel ne može imati CE oznaku bez odobrenja prijavljenog tijela i dostupnosti Izjave o svojstvima.

By issuing a DoP, the manufacturer assumes responsibility for the product conformity with the declared performance. The performance levels must be shown on the product labels as part of new CE marking requirements. A cable cannot be CE marked without notified body approval and the availability of a DoP.

Odaberite Miviko kabele, budite u skladu s CPR regulativom!
Choose Miviko cables, be compliant with CPR regulation!



PVC-OM IZOLIRANI/OPLAŠTENI VODOVI I KABELI
PVC INSULATED/SHEATHED WIRES AND CABLES





PVC-om izolirani vodič - jednožični (puni) PVC insulated conductor - single wire (solid)

EN 50525-2-31



KONSTRUKCIJA / CONSTRUCTION

Vodič Cu (bakreni) vodič, **klase 1** (puni) prema **EN 60228**
Izolacija PVC smjesa **T11** prema **EN 50363-3**

Conductor copper conductor of **class 1** (solid) acc. to **EN 60228**
Insulation PVC compound **T11** acc. to **EN 50363-3**



TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti:
P prema standardu **HRN N.C3.200**
227 IEC 01 prema standardu **IEC 60227-3**
Ye prema standardu **ÖVE / ÖNORM E 8241**

Norme:
EN 50525-2-31

Nazivni napon: $U_0/U = 450/750$ V
Ispitni napon: 2500 V

Grafični temperaturni uvjeti:
Minimalna temperatura polaganja: +5° C
Radna temperatura: -15° C do +70° C
Temperatura kratkog spoja max. 5s: 160° C

Test zapaljivosti:
Kabel je samogasiv prema **EN 60332-1-2**

Minimalni polumjer savijanja: 6xØ kabela

Equivalents:
P acc. to **HRN N.C3.200**
227 IEC 01 acc. to **IEC 60227-3**
Ye acc. to **ÖVE / ÖNORM E 8241**

Standards:
EN 50525-2-31

Nominal voltage: $U_0/U = 450/750$ V
Test voltage: 2500 V

Temperature range:
Minimum temperature during installation: +5° C
Fixed installed: -15° C to +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: 6xØ cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA					
Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
1 x 1,5	2,8	12,1	14,4	20	KOT 100, SP40 4000
1 x 2,5	3,4	7,41	24	31	KOT 100, SP40 4000
1 x 4	3,9	4,61	38,4	46	KOT 100
1 x 6	4,3	3,08	57,6	65	KOT 100, SP40 500
1 x 10	5,5	1,83	96	110	KOT 100

Moguća boja izolacije / Conductor colour identification

- (y/g) žuto-zelena / yellow-green
- (bl) plava / blue
- (bn) smeđa / brown
- (bk) crna / black
- (gy) siva / grey
- (rd) crvena / red
- (vi) ljubičasta / violet
- (or) narančasta / orange
- (wh) bijela / white
- (db) tamno plava / dark blue
- (ye) žuta / yellow
- (gn) zelena / green

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel



PVC-om izolirani vodič - višežični PVC insulated conductor - multi wire

EN 50525-2-31



KONSTRUKCIJA / CONSTRUCTION

Vodič Cu (bakreni) vodič, **klase 2** (višežični) prema **EN 60228**
Izolacija PVC smjesa **T11** prema **EN 50363-3**

Conductor copper conductor multi wire stranded, **class 2**. acc. to **EN 60228**
Insulation PVC compound **T11** acc. to **EN 50363-3**



TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti:
P/M prema standardu **HRN N.C3.201**
227 IEC 01 prema standardu **IEC 60227-3**
Ym prema standardu **ÖVE / ÖNORM E 8241**

Norme:
EN 50525-2-31

Nazivni napon: $U_0/U = 450/750$ V
Ispitni napon: 2500 V

Grafični temperaturni uvjeti:
Minimalna temperatura polaganja: +5° C
Radna temperatura: -15° C do +70° C
Temperatura kratkog spoja max. 5s: 160° C

Test zapaljivosti:
Kabel je samogasiv prema **EN 60332-1-2**

Minimalni polumjer savijanja: 6xØ kabela

Equivalents:
P/M acc. to **HRN N.C3.201**
227 IEC 01 acc. to **IEC 60227-3**
Ym acc. to **ÖVE / ÖNORM E 8241**

Standards:
EN 50525-2-31

Nominal voltage: $U_0/U = 450/750$ V
Test voltage: 2500 V

Temperature range:
Minimum temperature during installation: +5° C
Fixed installed: -15° C to +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: 6xØ cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA					
Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
1 x 6	4,5	3,08	58	66	KOT 100, SP40 500
1 x 10	5,7	1,83	96	108	KOT 100, SP40 500
1 x 16	6,8	1,15	154	166	KOT 100, SP40 500
1 x 25	8,5	0,727	240	264	DB06 500
1 x 35	9,6	0,524	336	350	DB06 500
1 x 50	11,2	0,387	480	483	DB07 500
1 x 70	12,7	0,268	672	671	DB07 500
1 x 95	14,7	0,193	912	932	DB08 500
1 x 120	16,0	0,153	1152	1160	DB09 500

Moguća boja izolacije / Conductor colour identification

- (y/g) žuto-zelena / yellow-green
- (bl) plava / blue
- (bn) smeđa / brown
- (bk) crna / black
- (gy) siva / grey

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel



PRIMJENA / APPLICATION

Vod tipa H07V-R se primjenjuje za unutarnje ožičenje alata i uređaja, polaganje u elektroinstalacijske cijevi, kao i za instalaciju u kanalima i na žbuci. Upotrebljava se i za ožičenje opreme razvodnih i sklopnih ploča, kao i za zaštitno polaganje kod rasvjete s nazivnim naponom do 750V izmjenično.

Insulated conductor used for laying in electric-installation tubes, under and on plaster installation in dry rooms and in closed installation conduits. Direct laying in cable guides is not permitted. Also applied for internal wiring of distribution and switching boxes equipment, same as for protective laying for lighting of nominal voltage up to 750 V alternating current.



PRIMJENA / APPLICATION

Vod tipa H07V-K je fleksibilni izolirani vodič, upotrebljava se u suhim prostorijama na mjestima, gdje je potrebna naročita savitljivost, za ožičenje alata i uređaja, kao instalacije u zgradama, položene u cijevi ili na žbuku. Upotrebljava se i za ožičenje opreme razvodnih i sklopnih ploča, kao i za zaštitno polaganje kod rasvjete s nazivnim naponom do 750V izmjenično.

Flexible insulated conductor used for laying in electric-installation tubes, under and on plaster installation in dry rooms and in closed installation conduits. Direct laying in cable guides is not permitted. Also applied for internal wiring of distribution and switching boxes equipment, same as for protective laying for lighting of nominal voltage up to 750 V alternating current.

PVC-om izolirani vodič - finožični
PVC insulated conductor - fine wired

EN 50525-2-31



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: PVC smjesa TI1 prema EN 50363-3

Conductor: copper conductor, fine-wire stranded, class 5. acc. to EN 60228
Insulation: PVC compound TI1 acc. to EN 50363-3



TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti:
P/F prema standardu HRN N.C3.202
227 IEC 02 prema standardu IEC 60227-3
Yf prema standardu ÖVE / ÖNORM E 8241

Norme: EN 50525-2-31

Nazivni napon: $U_0/U = 450/750$ V
Ispitni napon: 2500 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: +5° C
Radna temperatura: -15° C do +70° C
Temperatura kratkog spoja max. 5s: 160° C

Test zapaljivosti:
Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: 6xØ kabela

Equivalents:
P/F acc. to HRN N.C3.202
227 IEC 02 acc. to IEC 60227-3
Yf acc. to ÖVE / ÖNORM E 8241

Standards: EN 50525-2-31

Nominal voltage: $U_0/U = 450/750$ V
Test voltage: 2500 V

Temperature range:
Minimum temperature during installation: +5° C
Fixed installed: -15° C to +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: 6xØ cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
1 x 1,5	2,8	13,3	14	19	KOT 100, SP40 500
1 x 2,5	3,5	7,98	24	30	KOT 100, SP40 500
1 x 4	4,0	4,95	38	45	KOT 100, SP40 500
1 x 6	4,5	3,30	58	64	KOT 100, SP40 500
1 x 10	5,7	1,91	96	107	KOT 100, SP40 500
1 x 16	6,9	1,21	154	164	KOT 100, SP40 500
1 x 25	8,8	0,78	240	249	KOT 100, SP50 500
1 x 35	9,9	0,554	336	340	DB06 500
1 x 50	12,2	0,386	480	487	DB06 500
1 x 70	14,7	0,272	672	670	DB07 500
1 x 95	17,0	0,206	912	885	DB08 500
1 x 120	18,7	0,161	1152	1112	DB08 500
1 x 150	21,4	0,129	1440	1393	DB09 500

Moguća boja izolacije / Conductor colour identification

- (y/g) žuto-zelena / yellow-green
- (bl) plava / blue
- (bn) smeđa / brown
- (bk) crna / black
- (gy) siva / grey
- (rd) crvena / red
- (vi) ljubičasta / violet
- (or) narančasta / orange
- (wh) bijela / white
- (db) tamno plava / dark blue
- (ye) žuta / yellow
- (gn) zelena / green

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj
* Packing: KOT 100 = coil 100m, SP = cable on plywood reel

PVC-om izolirani vodič - finožični
PVC insulated conductor - fine wired

EN 50525-2-31



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: PVC smjesa TI1 prema EN 50363-3

Conductor: copper conductor, fine-wire stranded, class 5. acc. to EN 60228
Insulation: PVC compound TI1 acc. to EN 50363-3



TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti:
P/F prema standardu HRN N.C3.202
227 IEC 01 prema standardu IEC 60227-3
Ysf prema standardu ÖVE / ÖNORM E 8241 (HD21)

Norme: EN 50525-2-31

Nazivni napon: $U_0/U = 300/500$ V
Ispitni napon: 2000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: +5° C
Radna temperatura: -15° C do +70° C
Temperatura kratkog spoja max. 5s: 160° C

Test zapaljivosti:
Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: 6xØ kabela

Equivalents:
P/F acc. to HRN N.C3.202
227 IEC 01 acc. to IEC 60227-3
Ysf acc. to ÖVE / ÖNORM E 8241 (HD21)

Standards: EN 50525-2-31

Nominal voltage: $U_0/U = 300/500$ V
Test voltage: 2000 V

Temperature range:
Minimum temperature during installation: +5° C
Fixed installed: -15° C to +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: 6xØ cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
1 x 0,5	2,1	39	4,8	8	KOT 100
1 x 0,75	2,4	26	7,2	11	KOT 100
1 x 1	2,5	19,5	9,6	14	KOT 100

Moguća boja izolacije / Conductor colour identification

- (y/g) žuto-zelena / yellow-green
- (bl) plava / blue
- (bn) smeđa / brown
- (bk) crna / black
- (gy) siva / grey
- (rd) crvena / red
- (vi) ljubičasta / violet
- (or) narančasta / orange
- (wh) bijela / white
- (db) tamno plava / dark blue
- (ye) žuta / yellow
- (gn) zelena / green

* Pakiranje: KOT 100 = kolut 100m
* Packing: KOT 100 = coil 100m



PRIMJENA / APPLICATION

Fleksibilni izolirani vodič za ožičenje unutar električnih uređaja, rasvjetnih tijela, sklopnih i razvodnih ploča, tj. kao spojna prenosnica. Polaže se u suhim prostorijama, u otvarajućem elektroinstalacijskom kanalu samo za signalne i upravljačke krugove. Nije za izravnu primjenu ispod žbuke.

Flexible insulated conductor for wiring within electrical devices, lighting fixtures, switching- and distribution boxes, i.e. as bridge junction. Laid in dry areas, in closed electrical-installation conduits only for signaling and control circuits. Not for direct application under plaster.



PRIMJENA / APPLICATION

Instalacijski kabel koji se upotrebljava za kućnu fiksnu instalaciju i u industriji. Polaže se u, na ili ispod žbuke, u zidove ili beton, bez naročite mehaničke zaštite. Pogodni za suhu, kao i za vlažnu i mokru okolinu; za unutarnju ili vanjsku upotrebu (samo u slučaju da je kabel zaštićen od direktnog sunčevog svjetla).

Installation cable suitable for household and industrial usage. Laid on or under plaster, in walls or concrete, without special mechanical protection, but not in dry or pre-stressed concrete. Suitable for dry, same as damp or wet environment; for indoor or outdoor application (only if the cable is protected against direct sunlight).



PVC-om izoliran i oplašten instalacijski kabel PVC insulated and sheathed installation cable

ÖVE/ÖNORM E 8242



KONSTRUKCIJA / CONSTRUCTION

Vodič:

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

Izolacija vodiča:

PVC smjesa T11 prema EN 50363-3

Ispuna:

žile obuhvaćene nevulkaniziranom gumom ili plastičnom smjesom

Plajt:

PVC smjesa TM1 prema EN 50363-4-1

...

Conductor:

copper conductor **class 1** or **class 2**, acc. to EN 60228

Insulation:

PVC compound T11 acc. to EN 50363-3

Filler:

cores enveloped in non-vulcanized rubber or plastic compound

Sheath:

PVC compound TM1 acc. to EN 50363-4-1

...



TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti:

PP prema standardu SRPS N.C3.220
A05VV-R prema standardu HRN HD 21.4 S2
NYM prema standardu DIN VDE 0250-204

Norme:

ÖVE/ÖNORM E 8242

Nazivni napon:

U₀/U = 300/500 V

Ispitni napon:

2000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: +5° C
Radna temperatura: -15° C do +70° C
Temperatura kratkog spoja max. 5s: 160° C

Test zapaljivosti:

Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: 4xØ kabela

...

Equivalents:

PP acc. to SRPS N.C3.220
A05VV-R acc. to HRN HD 21.4 S2
NYM acc. to DIN VDE 0250-204

Standards:

ÖVE/ÖNORM E 8242

Nominal voltage:

U₀/U = 300/500 V

Test voltage:

2000 V

Temperature range:

Minimum temperature during installation: +5° C
Fixed installed: -15° C to +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: 4xØ cable

...



PVC-om izoliran i oplašten instalacijski kabel PVC insulated and sheathed installation cable

ÖVE/ÖNORM E 8242

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

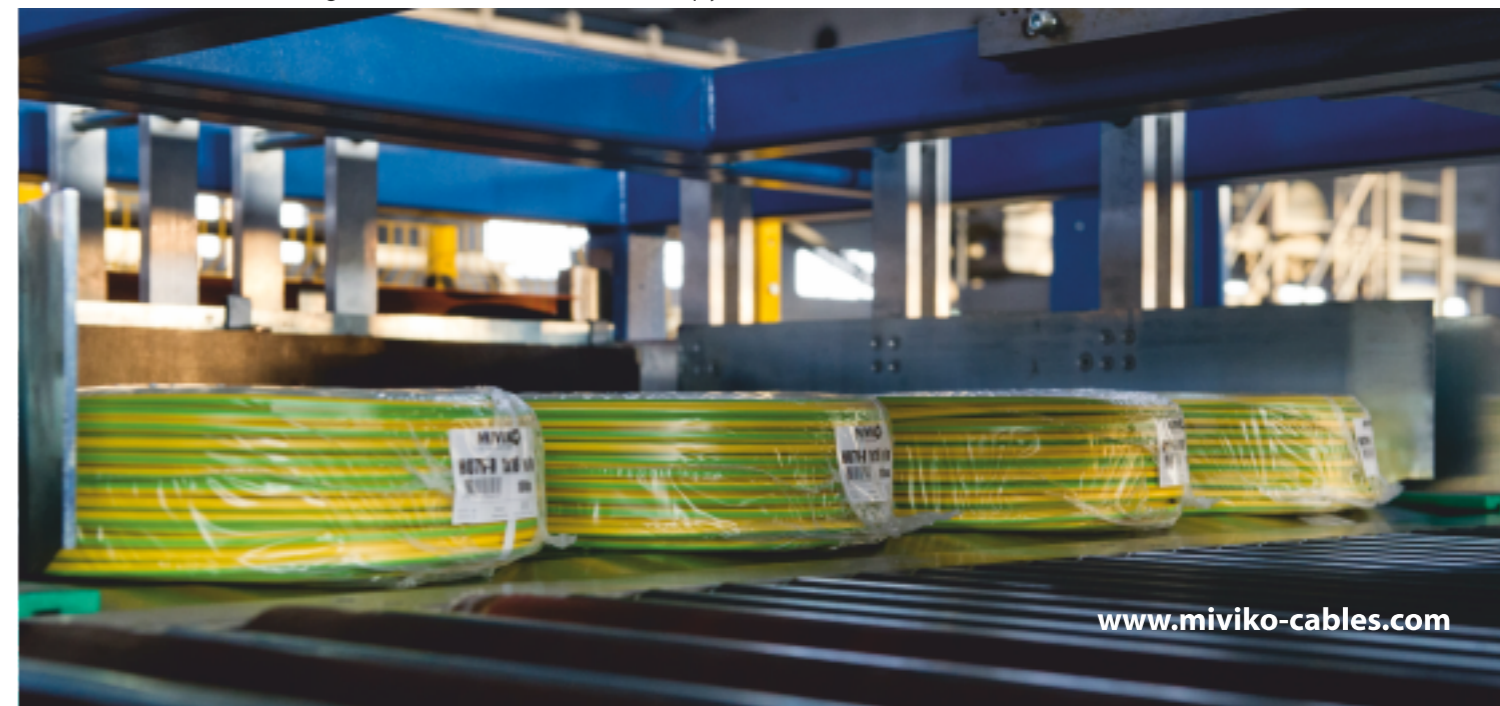
Nazivni presjek Construction	Vanjski promjer Outer diameter	Otpor vodiča na 20 °C Conductor resistance at 20 °C	Cu broj Cu weight	Težina kabela Cable weight	Standardno pakiranje* Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 1,5	8,3	12,1	30	98	KOT 100, SP40 500
2 x 2,5	9,6	7,41	50	125	KOT 100, SP40 500
3 x 1,5	8,5	12,1	45	117	KOT 100, SP40 500
3 x 2,5	10,1	7,41	75	165	KOT 100, SP45 500
3 x 4	11,7	4,61	120	237	KOT 100, SP50 500
3x 6	14,4	3,08	180	332	KOT 100, SP60 500
3 x 10	17,3	1,83	300	619	KOT 100, SP70 500, DB08 500
3 x 16	19,0	1,15	480	776	DB09 500
4 x 1,5	9,4	12,1	60	134	KOT 100, SP40 500
4 x 2,5	11,0	7,41	100	204	KOT 100, SP45 500
4 x 4	12,7	4,61	160	294	KOT 100, SP60 500
4 x 6	14,6	3,08	240	405	KOT 100, SP60 500
4 x 10	19,1	1,83	400	756	SP75 500, DB08 500
4 x 16	21,7	1,15	640	972	DB08 500
5 x 1,5	10,2	12,1	75	163	KOT 100, SP45 500
5 x 2,5	12,0	7,41	125	245	KOT 100, SP50 500
5 x 4	13,8	4,61	200	352	KOT 100, SP60 500
5 x 6	15,9	3,08	300	496	KOT 100, SP70 500
5 x 10	21,0	1,83	500	860	DB08 500
5 x 16	23,6	1,15	800	1201	DB09 500
7 x 1,5	11,4	12,1	105	197	KOT 100, SP50 500
7 x 2,5	12,8	7,41	175	314	KOT 100, SP50 500

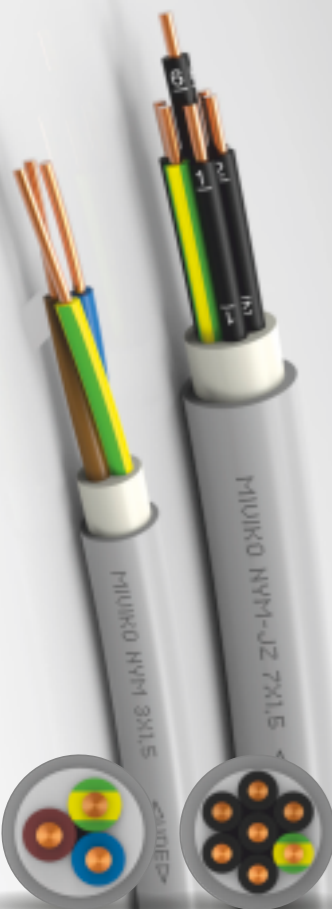
Moguća boja plašta / Sheath colour identification

● (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





PRIMJENA / APPLICATION

Instalacijski kabel koji se upotrebljava za kućnu fiksnu instalaciju i u industriji. Polaže se u, na ili ispod žbuke, u zidove ili beton, bez naročite mehaničke zaštite. Pogodni za suhu, kao i za vlažnu i mokru okolinu; za unutarnju ili vanjsku upotrebu (samo u slučaju da je kabel zaštićen od direktnog sunčevog svjetla).

Installation cable suitable for household and industrial usage. Laid on or under plaster, in walls or concrete, without special mechanical protection, but not in dry or pre-stressed concrete. Suitable for dry, same as damp or wet environment; for indoor or outdoor application (only if the cable is protected against direct sunlight).



PVC-om izoliran i oplašten instalacijski kabel PVC insulated and sheathed installation cable

DIN VDE 0250-204



KONSTRUKCIJA / CONSTRUCTION

Vodič:

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

Izolacija vodiča:

PVC smjesa T11 prema EN 50363-3

Ispuna:

žile obuhvaćene ne vulkaniziranom gumom ili plastičnom smjesom

Pljašt:

PVC smjesa TM1 prema EN 50363-4-1

...

Conductor:

copper conductor class 1 or class 2, acc. to EN 60228

Insulation:

PVC compound T11 acc. to EN 50363-3

Filler:

cores enveloped in non-vulcanized rubber or plastic compound

Sheath:

PVC compound TM1 acc. to EN 50363-4-1



TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti:

PP prema standardu SRPS N.C3.220
A05VV-R prema standardu HRN HD 21.4 S2
AT-N05VV-U;R (YM) prema standardu ÖVE/ÖNORM E 8242

Norme:

DIN VDE 0250-204

Nazivni napon:

$U_0/U = 300/500$ V

Ispitni napon: 2000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: +5° C
Radna temperatura: -15° C do +70° C
Temperatura kratkog spoja max. 5s: 160° C

Test zapaljivosti:

Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja:

4xØ kabla

...

Equivalents:

PP acc. to SRPS N.C3.220
A05VV-R acc. to HRN HD 21.4 S2
AT-N05VV-U;R (YM) acc. to ÖVE/ÖNORM E 8242

Standards:

DIN VDE 0250-204

Nominal voltage:

$U_0/U = 300/500$ V

Test voltage: 2000 V

Temperature range:

Minimum temperature during installation: +5° C
Fixed installed: -15° C to +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: 4xØ cable

.....



PVC-om izoliran i oplašten instalacijski kabel PVC insulated and sheathed installation cable

DIN VDE 0250-204

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 6	7,3	3,08	57,6	105	KOT 100, SP40 500
1 x 10	8,5	1,83	96	155	KOT 100, SP40 500
1 x 16	9,8	1,15	153,6	230	KOT 100, SP45 500
2 x 1,5	8,5	12,1	28,8	105	KOT 100, SP40 500
2 x 2,5	9,8	7,41	48	134	KOT 100, SP45 500
3 x 1,5	8,9	12,1	43,2	123	KOT 100, SP40 500
3 x 2,5	10,4	7,41	72	176	KOT 100, SP45 500
3 x 4	12,0	4,61	115,2	248	KOT 100, SP50 500
3 x 6	14,8	3,08	172,8	342	KOT 100, SP60 500
3 x 10	17,7	1,83	288	585	KOT 100, DB08 500
3 x 16	19,2	1,15	460,8	790	DB09 500
4 x 1,5	9,6	12,1	57,6	144	KOT 100, SP45 500
4 x 2,5	11,3	7,41	96	212	KOT 100, SP50 500
4 x 4	13,0	4,61	153,6	302	KOT 100, SP60 500
4 x 6	14,9	3,08	230,4	416	KOT 100, DB08 500
4 x 10	19,4	1,83	384	715	DB08 500
4 x 16	21,9	1,15	614,4	987	DB09 500
5 x 1,5	10,5	12,1	72	173	KOT 100, SP45 500
5 x 2,5	12,3	7,41	120	256	KOT 100, SP60 500
5 x 4	14,2	4,61	192	363	KOT 100, DB08 500
5 x 6	16,2	3,08	288	506	KOT 100, DB08 500
5 x 10	21,2	1,83	480	874	DB09 500
5 x 16	24,0	1,15	768	1213	DB10 500
7 x 1,5	11,6	12,1	100,8	208	KOT 100, SP50 500
7 x 2,5	13,1	7,41	168	325	KOT 100, SP50 500

Moguća boja pljašta / Sheath colour identification

● (gy) siva / grey

*Pakiranje: KOT 100 = kolot 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





PRIMJENA / APPLICATION

Instalacijski kabel koji se upotrebljava za kućnu fiksnu instalaciju i u industriji. Polaže se u, na ili ispod žbuke, u zidove ili beton, bez naročite mehaničke zaštite. Pogodni za suhu, kao i za vlažnu okolinu; za unutarnju ili vanjsku upotrebu.

Installation cable suitable for household and industrial usage. Laid on or under plaster, in walls or concrete, without special mechanical protection, but not in dry or pre-stressed concrete. Suitable for dry, same as damp or wet environment; for indoor or outdoor application.



PVC-om izoliran i oplašten instalacijski kabel PVC insulated and sheathed installation cable

ČSN 34 7411



KONSTRUKCIJA / CONSTRUCTION

Vodič:

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

Izolacija vodiča:

PVC smjesa T11 prema EN 50363-3

Ispuna:

žile obuhvaćene nevulkaniziranom gumom ili plastičnom smjesom

Plašt:

PVC smjesa TM1 prema EN 50363-4-1

...

Conductor:

copper conductor, class 1 (solid) acc. to EN 60228

Insulation:

PVC compound T11 acc. to EN 50363-3

Filler:

cores enveloped in non-vulcanized rubber or plastic compound

Sheath:

PVC compound TM1 acc. to EN 50363-4-1

...



TEHNIČKI PODACI / TECHNICAL DATA

Norme:

Nazivni napon: $U_0/U = 450/750$ V

Ispitni napon: 2000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: +5° C

Radna temperatura: -15° 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 kabela

...

Standards: ČSN 34 7411

Nominal voltage: $U_0/U = 450/750$ V

Test voltage: 2000 V

Temperature range:

Minimum temperature during installation: +5° C

Fixed installed: -15° C to +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 cable

...



PVC-om izoliran i oplašten instalacijski kabel PVC insulated and sheathed installation cable

ČSN 34 7411

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	
2 x 1,5	6,9	12,531	29	84	KOT 100, SP40 500
2 x 2,5	8,0	7,520	48	119	KOT 100, SP40 500
2 x 4	9,0	4,700	77	162	KOT 100, SP45 500
3 x 1,5	7,3	12,531	43	99	KOT 100, SP40 500
3 x 2,5	8,5	7,520	72	143	KOT 100, SP40 500
3 x 4	9,6	4,700	115	200	KOT 100, SP45 500
3 x 6	10,6	3,133	173	266	KOT 100, SP50 500
3 x 10	13,3	1,880	288	433	DB07 500
3 x 16	15,2	1,175	461	626	DB08 500
4 x 1,5	7,9	12,531	58	120	KOT 100, SP40 500
4 x 2,5	9,3	7,520	96	175	KOT 100, SP45 500
4 x 4	10,5	4,700	154	244	KOT 100, SP50 500
4 x 6	11,7	3,133	230	332	KOT 100, DB07 500
4 x 10	14,6	1,880	384	544	DB08 500
4 x 16	17,2	1,175	614	805	DB09 500
5 x 1,5	8,7	12,531	72	145	KOT 100, SP40 500
5 x 2,5	10,2	7,520	120	213	KOT 100, SP50 500
5 x 4	11,5	4,700	192	300	KOT 100, DB07 500
5 x 6	12,8	3,133	288	405	KOT 100, DB07 500
5 x 10	16,4	1,880	480	679	DB09 500
5 x 16	18,8	1,175	768	985	DB10 500
7 x 1,5	9,4	12,531	101	181	KOT 100, SP45 500
7 x 2,5	11,0	7,520	168	268	KOT 100, DB07 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



3 CH-N1VV-U;R (TT)

PVC-OM IZOLIRANI/OPLAŠTENI VODOVI I KABELI
PVC INSULATED/SHEATHED WIRES AND CABLES



PRIMJENA / APPLICATION

Instalacijski kabel koji se upotrebljava za kućnu fiksnu instalaciju i u industriji. Polaže se u, na ili ispod žbuke, u zidove ili beton, bez naročite mehaničke zaštite. Pogodni za suhu, kao i za vlažnu i mokru okolinu; za unutarnju ili vanjsku upotrebu (samo u slučaju da je kabel zaštićen od direktnog sunčevog svjetla).

Installation cable suitable for household and industrial usage. Laid on or under plaster, in walls or concrete, without special mechanical protection, but not in dry or pre-stressed concrete. Suitable for dry, same as damp or wet environment; for indoor or outdoor application (only if the cable is protected against direct sunlight).



PVC-om izoliran i oplašten instalacijski kabel 0,6/1kV
PVC insulated and sheathed installation cable 0,6/1kV

SEV 1101



KONSTRUKCIJA / CONSTRUCTION

Vodič:

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

Izolacija vodiča:

PVC smjesa **TI1** prema **EN 50363-3**

Ispuna:

elastomerna ili plastomerna mješavina

Plajt:

PVC smjesa **TM1** prema **EN 50363-4-1**

...

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

Insulation:

PVC compound **TI1** acc. to **EN 50363-3**

Filler:

extruded elastomer or plastomer compound

Sheath:

PVC compound **TM1** acc. to **EN 50363-4-1**

...



TEHNIČKI PODACI / TECHNICAL DATA

Norme: SEV 1101

Nazivni napon: $U_0/U = 600/1000$ V

Ispitni napon: 2000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -5° C

Radna temperatura: -15° C do +70° C

Temperatura kratkog spoja max. 5s: 160° C

Test zapaljivosti: Kabel je samogasiv prema **IEC 60332-1-2**

Minimalni polumjer savijanja: 12xØ kabela za višežilni, 15xØ kabela višežilni za jednožilni

...

Standards: SEV 1101

Nominal voltage: $U_0/U = 600/1000$ V

Test voltage: 2000 V

Temperature range:

Minimum temperature during installation: -5° C

Fixed installed: -15° C to +70° C

At short circuit of max. 5s: 160° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to **IEC 60332-1-2**

Minimal inner bending radius: 12xØ multi core, 15xØ single core

...

MIVIKO
high tech copper cables



PVC-om izoliran i oplašten instalacijski kabel 0,6/1kV
PVC insulated and sheathed installation cable 0,6/1kV

SEV 1101

CH-N1VV-U;R
(TT)

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	
2 x 1,5	7,4	12,1	30	98	KOT 100, SP40 500
3 x 1,5	8,0	12,1	45	117	KOT 100, SP40 500
3 x 2,5	9,5	7,41	75	165	KOT 100, SP45 500
3 x 4	11,1	4,61	120	237	KOT 100, SP50 500
3 x 6	12,5	3,08	180	332	KOT 100, SP60 500
3 x 10	17,3	1,83	300	619	KOT 100, SP70 500, DB08 500
3 x 16	19,0	1,15	480	776	DB09 500
4 x 1,5	9,2	12,1	60	134	KOT 100, SP40 500
4 x 2,5	10,3	7,41	100	204	KOT 100, SP45 500
4 x 4	12,7	4,61	160	294	KOT 100, SP60 500
4 x 6	14,6	3,08	240	405	KOT 100, SP60 500
4 x 10	19,1	1,83	400	756	SP75 500, DB08 500
4 x 16	21,7	1,15	640	972	DB08 500
5 x 1,5	10,0	12,1	75	163	KOT 100, SP45 500
5 x 2,5	11,8	7,41	125	245	KOT 100, SP50 500
5 x 4	13,5	4,61	200	352	KOT 100, SP60 500
5 x 6	15,1	3,08	300	496	KOT 100, SP70 500
5 x 10	20,0	1,83	500	860	DB08 500
5 x 16	22,9	1,15	800	1201	DB09 500
7 x 1,5	11,3	12,1	105	197	KOT 100, SP50 500
7 x 2,5	12,7	7,41	175	314	KOT 100, SP50 500

Moguća boja plašta / Sheath colour identification

● (gy) siva / gray

*Pakiranje: KOT 100 = kolot 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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PVC-OM IZOLIRANI/OPLAŠTENI VODOVI I KABELI
PVC INSULATED/SHEATHED WIRES AND CABLES

CH-N1VV-U;R

3 H05VV-F A05VV-F

PVC-OM IZOLIRANI/OPLAŠTENI VODOVI I KABELE
PVC INSULATED/SHEATHED WIRES AND CABLES



PRIMJENA / APPLICATION

Fleksibilni kabel za srednja mehanička naprezanja. Dopušteno je učestalo savijanje i uvijanje. Posebno pogodan za uporabu u domaćinstvu, kuhinjama i uredima u suhim te vlažnim uvjetima, npr. perilice rublja, sušilice rublja, hladnjaci itd., sve dok je kabel prilagođen bitnim specifikacijama uređaja. Pogodni su i za kuhala odnosno tople aparate, uz uvjet da ne dolazi u izravan dodir s vrućim dijelovima uređaja ili da nije podvrgnut toplinskom isijavanju. Pogodni su za fiksne instalacije u namještaju, pregradnim zidovima, ukrasnim oblogama i šupljim prostorima u montažnim dijelovima za gradnju. Nisu pogodni za stalnu vanjsku uporabu (samo povremenu) ili uporabu za industrijske ili poljoprivredne strojeve (osim šivača i slično).

Flexible cable for medium mechanical stresses. Permitted frequent bending and twisting. Specially suitable for application in household, kitchens and offices in dry and damp conditions, for inst. washing-machines, dryers, refrigerators etc., as long as the cable is adapted to essential specifications of the device. Also suitable for cookers, i.e. hot devices, on condition that it does not get in direct contact with hot parts of the device and is not exposed to heat irradiation. Suitable for fixed installation in furniture, partition walls, decorative linings and cavities in prefabricated construction elements.

PVC-om izoliran i oplašten finožični kabel PVC insulated and sheathed fine wired cable EN 50525-2-11

KONSTRUKCIJA / CONSTRUCTION

Vodič:
Cu (bakreni) vodič, **klase 5** (finožični) prema **EN 60228**

Izolacija:
PVC smjesa **TI2** prema **EN 50363-3**

Plašt:
PVC smjesa **TM2** prema **EN 50363-4-1**

Conductor:
copper conductor, fine-wire stranded, **class 5** acc. to **EN 60228**

Insulation:
PVC compound **TI2** acc. to **EN 50363-3**

Sheath:
PVC compound **TM2** acc. to **EN 50363-4-1**

TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti: **PP/J** prema standardu **HRN N.C3.302**
227 IEC 53 prema standardu **IEC 60227-5**
YMM prema standardu **ÖVE / ÖNORM E 8241**

Norme: **EN 50525-2-11**

Nazivni napon: $U_0/U = 300/500$ V
Ispitni napon: 2000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: +5° C
Radna temperatura: -15° C do +70° C
Temperatura kratkog spoja max. 5s: 150° C

Test zapaljivosti: Kabel je samogasiv prema **EN 60332-1-2**

Minimalni polumjer savijanja: 6xØ kabela

Equivalents: **PP/J** acc. to **HRN N.C3.302**
227 IEC 53 acc. to **IEC 60227-5**
YML acc. to **ÖVE / ÖNORM E 8241**

Standards: **EN 50525-2-11**

Nominal voltage: $U_0/U = 300/500$ V
Test voltage: 2000 V

Temperature range:
Minimum temperature during installation: +5° C
Fixed installed: -15° C to +70° C
At short circuit of max. 5s: 150° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to **EN 60332-1-2**

Minimal inner bending radius: 6xØ cable

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PVC-om izoliran i oplašten finožični kabel PVC insulated and sheathed fine wired cable EN 50525-2-11

H05VV-F A05VV-F

H05VV-F / KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,75	6,2	26,0	14	56	KOT 100, SP40 500
2 x 1	6,5	19,5	19	64	KOT 100, SP40 500
2 x 1,5	7,4	13,3	29	84	KOT 100, SP40 500
2 x 2,5	9,1	7,98	48	130	KOT 100, SP45 500
2 x 4	10,3	4,95	77	177	KOT 100, SP50 500
3 x 0,75	6,6	26,0	22	66	KOT 100, SP40 500
3 x 1	6,9	19,5	29	76	KOT 100, SP40 500
3 x 1,5	8,1	13,3	43	105	KOT 100, SP40 500
3 x 2,5	9,9	7,98	72	162	KOT 100, SP50 500
3 x 4	11,2	4,95	115	223	KOT 100, SP60 500
4 x 0,75	7,2	26,0	29	79	KOT 100, SP40 500
4 x 1	7,8	19,5	38	95	KOT 100, SP40 500
4 x 1,5	9,0	13,3	58	132	KOT 100, SP45 500
4 x 2,5	10,8	7,98	96	197	KOT 100, SP50 500
4 x 4	12,2	4,95	154	274	KOT 100, SP60 500
5 x 0,75	8,0	26,0	36	100	KOT 100, SP40 500
5 x 1	8,5	19,5	48	116	KOT 100, SP45 500
5 x 1,5	10,1	13,3	72	166	KOT 100, SP50 500
5 x 2,5	12,0	7,98	120	247	KOT 100, SP60 500
5 x 4	13,8	4,95	192	350	KOT 100, SP70 500

A05VV-F / KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
3x6	12,8	3,30	173	307	KOT 100, SP60 500
3x10	15,3	1,91	288	479	DB08 500
4x6	13,9	3,30	230	383	KOT 100, SP70 500
4x10	16,8	1,91	384	604	DB09 500
5x6	15,3	3,30	288	466	KOT 100, DB08 500
5x10	18,9	1,91	480	757	DB10 500
7x1	9,4	19,5	67	148	KOT 100, SP45 500
7x1,5	10,9	13,3	101	206	KOT 100, SP50 500
7x2,5	13,5	7,98	168	321	KOT 100, SP70 500

Moguća boja plašta / Sheath colour identification

- (wh) bijela / white
- (bk) crna / black
- (gy) siva (samo za YMM ekvivalent) / grey (for YMM equivalent only)

* **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

3 H03VV-F A03VV-F

PVC-OM IZOLIRANI/OPLAŠTENI VODOVI I KABELE
PVC INSULATED/SHEATHED WIRES AND CABLES



PRIMJENA / APPLICATION

Vod tipa H03VV-F upotrebljava se u suhim prostorijama, gdje je potrebna naročita gipkost, a isključena je opasnost od mehaničkih naprezanja. Koristi se za prijenosna trošila pod lakšim radnim uvjetima, kao što su prijenosne svjetiljke, ventilatori, mikseri itd. Vodiči nisu primjereni za upotrebu kod aparata za kuhanje i grijaćih aparata, a isto tako nisu primjereni za vanjsku upotrebu kod industrijskih i poljoprivrednih strojeva.

Flexible cable for dry areas, used for purposes requiring special flexibility in conditions free of any mechanical stresses. Permitted frequent bending and twisting. Specially suitable for application in small devices with low mechanical loads and for connection of light household devices such as kitchen appliances, desk lamps, ceiling lamps, vacuum cleaners, office machines, radios etc., as long as the cable is adapted to essential specifications of the device. These cables must not be used for cooking and heating devices. They are not suitable for outdoor use or for industrial (except for sewing-machines and similar) and agricultural machines.



PVC-om izoliran i oplašten laki finožični kabel PVC insulated and sheathed light fine wired cable

EN 50525-2-11



KONSTRUKCIJA / CONSTRUCTION

Vodič:
Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228

Izolacija:
PVC smjesa TI2 prema EN 50363-3

Plašt:
PVC smjesa TM2 prema EN 50363-4-1

Conductor:
copper conductor, fine-wire stranded, class 5 acc. to EN 60228

Insulation:
PVC compound TI2 acc. to EN 50363-3

Sheath:
PVC compound TM2 acc. to EN 50363-4-1

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TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti: PP/L, PP/L-U prema standardu HRN N.C3.301
227 IEC 52 prema standardu IEC 60227-5
YML prema standardu ÖVE / ÖNORM E 8241

Norme: EN 50525-2-11

Nazivni napon: $U_0/U = 300/300$ V
Ispitni napon: 2000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: +5° C
Radna temperatura: -15° C do +70° C
Temperatura kratkog spoja max. 5s: 150 C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: $6x\varnothing$ kabela

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Equivalents: PP/L, PP/L-U acc. to HRN N.C3.301
227 IEC 52 acc. to IEC 60227-5
YML acc. to ÖVE / ÖNORM E 8241

Standards: EN 50525-2-11

Nominal voltage: $U_0/U = 300/300$ V
Test voltage: 2000 V

Temperature range:
Minimum temperature during installation: +5° C
Fixed installed: -15° C to +70° C
At short circuit of max. 5s: 150° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimal inner bending radius: $6x\varnothing$ cable

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PVC-om izoliran i oplašten laki finožični kabel PVC insulated and sheathed light fine wired cable

EN 50525-2-11

H03VV-F

A03VV-F

H03VV-F / KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,5	5,0	39,0	10	37	KOT 100, SP40 500
2 x 0,75	5,4	26,0	14	45	KOT 100, SP40 500
3 x 0,5	5,3	39,0	14	44	KOT 100, SP40 500
3 x 0,75	5,7	26,0	22	54	KOT 100, SP40 500
4 x 0,5	5,8	39,0	19	53	KOT 100, SP40 500
4 x 0,75	6,3	26,0	29	66	KOT 100, SP40 500

A03VV-F / KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2x1	5,7	19,5	19	52	KOT 100, SP40 500
3x1	6,1	19,5	29	63	KOT 100, SP40 500
4x1	6,9	19,5	38	81	KOT 100, SP40 500
5x0,75	7,1	26,0	36	84	KOT 100, SP40 500
5x1	7,5	19,5	48	99	KOT 100, SP40 500

Moguća boja plašta / Sheath colour identification

- (wh) bijela / white
- (bk) crna / black
- (gy) siva (samo za YML ekvivalent) / grey (for YML equivalent only)

* Pakiranje: KOT 50 = kolut 50m, KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj
* Packing: KOT 50 = coil 50m, KOT 100 = coil 100m, SP = cable on plywood reel



PVC-OM IZOLIRANI/OPLAŠTENI VODOVI I KABELE
PVC INSULATED/SHEATHED WIRES AND CABLES

H03VV-F - A03VV-F

3 H03VVH2-F

PVC-OM IZOLIRANI/OPLAŠTENI VODOVI I KABELEI
PVC INSULATED/SHEATHED WIRES AND CABLES



PRIMJENA / APPLICATION

Ovaj tip kabela je pogodan za priključak manjih prijenosnih električnih uređaja pod lakšim radnim uvjetima. Nije pogodan za priključak uređaja za grijanje i kuhanje. Postavlja se u suhim i vlažnim prostorijama, nije predviđen za direktno polaganje u zemlju ili u vodu.

This cable type is suitable for connecting of small mobile appliances under lighter operating conditions. However, it is not suitable for heating and cooking appliances. Laid in dry and damp premises, it is not intended for direct laying in the ground or in water.



PVC-om izoliran i oplašten plosnati kabel PVC insulated and sheathed flat cable

EN 50525-2-11



KONSTRUKCIJA / CONSTRUCTION

Vodič:

Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228

Izolacija:

PVC mješavina, tip T12, prema EN 50363-3

Plajt:

PVC mješavina, tip TM2, prema EN 50363-4-1

Conductor:

copper conductor, fine-wire stranded, class 5 acc. to EN 60228

Insulation:

PVC compound, type T12, acc. to EN 50363-3

Sheath:

PVC compound, type TM2, acc. to EN 50363-4-1



TEHNIČKI PODACI / TECHNICAL DATA

Norme: EN 50525-2-11

Nazivni napon: U0/U = 300/300 V

Ispitni napon: 2000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -5° C
Radna temperatura: -15° C do +70° C
Temperatura kratkog spoja max. 5s: 150° C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: fiksno položen 6xØ kabela

Standards: EN 50525-2-11

Nominal voltage: U0/U = 300/300 V

Test voltage: 2000 V

Temperature range:

Minimum temperature during installation: -5° C
Fixed installed: -15° C to +70° C
At short circuit of max. 5s: 150° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimal inner bending radius: fixed installation 6xØ cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,5	3,2x5,1	39,0	9,6	25	KOT 100, SP40 500
2 x 0,75	3,4x5,5	26,0	14,4	31	KOT 100, SP40 500

Moguća boja plašta / Sheath colour identification

○ ● ● bijela (wh), crna (bk), siva (gy) / white (wh), black (bk), gray (gy)

* 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



PVC-OM IZOLIRANI/OPLAŠTENI VODOVI I KABELEI
PVC INSULATED/SHEATHED WIRES AND CABLES

H03VVH2-F



PVC-om izoliran i oplašten fleksibilni gradilišni kabel
PVC insulated and sheathed flexible building site cable

ÖVE/ÖNORM E 8242:2013



KONSTRUKCIJA / CONSTRUCTION

Vodič:

Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228

Izolacija:

specijalna PVC smjesa prema ÖVE/ÖNORM E 8241-55

Plast:

specijalna PVC smjesa za prema ÖVE/ÖNORM E 8241-55

Conductor:

copper conductor, fine-wire stranded, class 5 acc. to EN 60228

Insulation:

special PVC compound acc. to ÖVE/ÖNORM E 8241-55

Sheath:

special PVC compound acc. to ÖVE/ÖNORM E 8241-55



TEHNIČKI PODACI / TECHNICAL DATA

Norme: ÖVE/ÖNORM E 8242:2013

Nazivni napon: $U_0/U = 450/750$ V

Ispitni napon: 2500 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -35°C
Radna temperatura: -40°C do $+70^{\circ}\text{C}$
Temperatura kratkog spoja max. 5s: 150°C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: fiksno položen $4 \times \emptyset$ kabela, pri savijanju $7,5 \times \emptyset$ kabela

Standards: ÖVE/ÖNORM E 8242:2013

Nominal voltage: $U_0/U = 450/750$ V

Test voltage: 2500 V

Temperature range:

Minimum temperature during installation: -35°C
Fixed installed: -40°C to $+70^{\circ}\text{C}$
At short circuit of max. 5s: 150°C

Behaviour in fire: flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimal inner bending radius: fixed installation $4 \times \emptyset$ cable, occasional flexing $7,5 \times \emptyset$ cable



PVC-om izoliran i oplašten fleksibilni gradilišni kabel
PVC insulated and sheathed flexible building site cable

ÖVE/ÖNORM E 8242:2013

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* Cable Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
3 x 1	8,9	19,5	28,8	112	KOT 100, SP45 500
3 x 1,5	9,9	13,3	43,2	142	KOT 100, SP45 500
3 x 2,5	11,7	7,98	72	206	KOT 100, SP60 500
3 x 4	13,3	4,95	115,2	285	KOT 100, SP70 500
3 x 6	14,8	3,3	172,8	380	KOT 100, DB08 500
3 x 10	19,9	1,91	288	615	KOT 100, DB10 500
3 x 16	22,6	1,21	460,8	968	KOT 100, DB10 500
4 x 1	9,8	19,5	38,4	127	KOT 100, SP45 500
4 x 1,5	10,9	13,3	57,6	175	KOT 100, SP50 500
4 x 2,5	13,0	7,98	96	258	KOT 100, SP70 500
4 x 4	14,9	4,95	153,6	360	KOT 100, DB09 500
4 x 6	16,6	3,3	230,4	482	KOT 100, DB09 500
4 x 10	22,0	1,91	384	782	KOT 100, DB10 500
4 x 16	24,9	1,21	614,4	1222	KOT 100, DB12 500
5 x 1	11,0	19,5	48	160	KOT 100, SP50 500
5 x 1,5	12,0	13,3	72	213	KOT 100, SP60 500
5 x 2,5	14,1	7,98	120	309	KOT 100, SP70 500
5 x 4	16,4	4,95	192	440	KOT 100, DB09 500
5 x 6	18,5	3,3	288	590	KOT 100, DB09 500
5 x 10	23,9	1,91	480	1000	KOT 100, DB10 500
5 x 16	27,7	1,21	768	1420	KOT 100, DB12 500

Moguća boja plašta / Sheath colour identification

● ● žuta (ye) RAL 1021, narančasta (or) RAL 2003 / yellow (ye) RAL 1021, orange (or) RAL 2003

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel





PRIMJENA / APPLICATION

Fleksibilni gradilišni kabel tipa XYMM je prikladan za spajanje električne opreme, može se postaviti kao nezaštićeni pokretni kabel za umjerena mehanička naprezanja na otvorenom, primjerice na gradilištima ili u industrijskim prostorima. Koristi se u suhim i vlažnim mjestima, na otvorenom, te u područjima s opasnošću od eksplozije, može se koristiti za izravnu ugradnju na dizalicama, strojevima itd.

Flexible building site XYMM cable is suitable for connecting electrical equipment, can be laid as unprotected movable cable for moderate mechanical stress in the open, for example on building sites or in industrial areas. It can be used in dry, damp and wet locations, as well as for outdoor applications, in areas with danger of explosion, or for direct installation on cranes, machines, etc.



PVC-om izoliran i oplašten fleksibilni gradilišni kabel

PVC insulated and sheathed flexible building site cable



KONSTRUKCIJA / CONSTRUCTION

Vodič:

Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228

Izolacija:

specijalna PVC smjesa T12

Plast:

specijalna PVC smjesa TM2



Conductor:

copper conductor, fine-wire stranded, class 5 acc. to EN 60228

Insulation:

special PVC compound T12

Sheath:

special PVC compound TM2



TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti: AT-N07V3V3-F prema standardu ÖVE/ÖNORM E 8242:2013

Nazivni napon: $U_0/U = 450/750$ V

Ispitni napon: 2500 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -35°C

Radna temperatura: -40°C do $+70^{\circ}\text{C}$

Temperatura kratkog spoja max. 5s: 150°C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: fiksno položen $4x\varnothing$ kabela, pri savijanju $7,5x\varnothing$ kabela



Equivalents: AT-N07V3V3-F acc. to ÖVE/ÖNORM E 8242:2013

Nominal voltage: $U_0/U = 450/750$ V

Test voltage: 2500 V

Temperature range:

Minimum temperature during installation: -35°C

Fixed installed: -40°C to $+70^{\circ}\text{C}$

At short circuit of max. 5s: 150°C

Behaviour in fire: flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimal inner bending radius: fixed installation $4x\varnothing$ cable, occasional flexing $7,5x\varnothing$ cable



PVC-om izoliran i oplašten fleksibilni gradilišni kabel

PVC insulated and sheathed flexible building site cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Cable Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
3 x 1,5	8,2	13,3	43,2	105	KOT 100, SP40 500
3 x 2,5	10,0	7,98	72	159	KOT 100, SP45 500
3 x 4	11,2	4,95	115,2	220	KOT 100, SP50 500
4 x 1,5	9,1	13,3	57,6	131	KOT 100, SP45 500
4 x 2,5	10,9	7,98	96	195	KOT 100, SP50 500
4 x 4	12,3	4,95	153,6	273	KOT 100, SP60 500
4 x 6	13,6	3,3	230,4	363	KOT 100, SP70 500
4 x 10	17,0	1,91	384	602	KOT 100, DB09 500
4 x 16	20,7	1,21	614,4	891	KOT 100, DB10 500
5 x 1,5	10,0	13,3	72	164	KOT 100, SP50 500
5 x 2,5	12,1	7,98	120	245	KOT 100, SP60 500
5 x 4	13,9	4,95	192	346	KOT 100, SP70 500
5 x 6	15,3	3,3	288	455	KOT 100, DB06 500
5 x 10	18,9	1,91	480	745	KOT 100, DB10 500
5 x 16	22,9	1,21	768	1100	KOT 100, DB10 500

Moguća boja plašta / Sheath colour identification

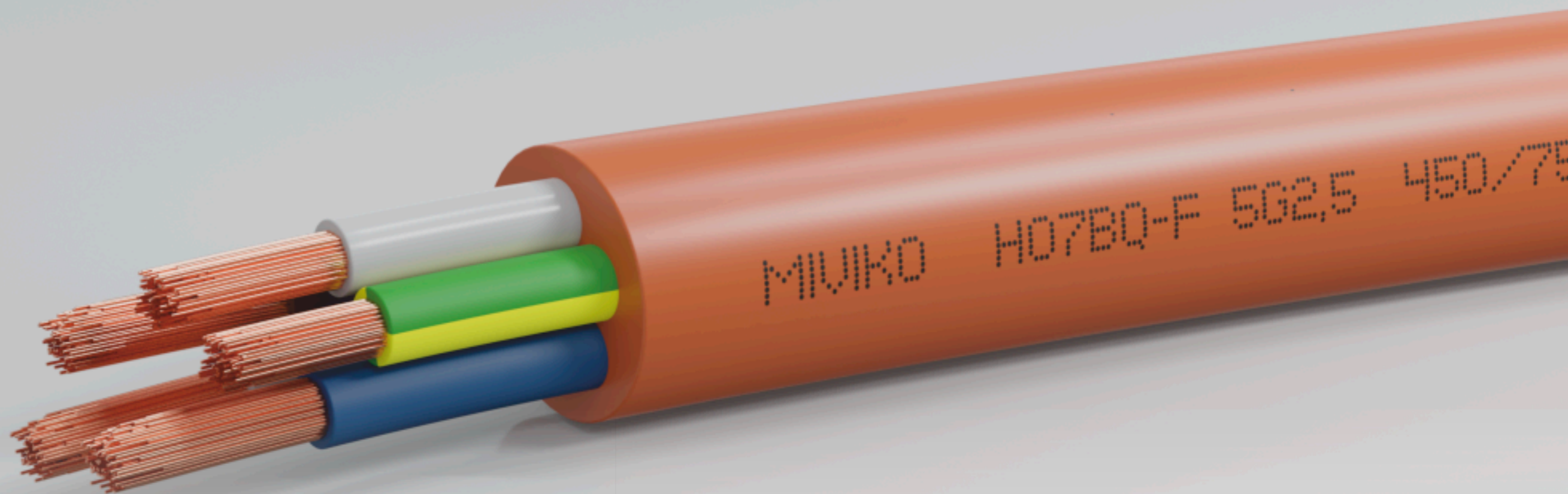
● žuta (ye) RAL 1021/ yellow (ye) RAL 1021

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel



POLIURETANOM OPLAŠTENI KABELI
POLYURETHANE SHEATHED CABLES





EPR-om izoliran i poliuretanom oplašten fleksibilni kabel EPR insulated and polyurethane sheathed flexible cable

EN 50525-2-21



KONSTRUKCIJA / CONSTRUCTION

Vodič:

Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228

Izolacija:

Umrežena elastomerna mješavina tip EI6 prema EN 50363-1

Plašt:

termoplastični poliuretan tip TMPU prema EN 50363-10-2

...

Conductor:

copper conductor, fine-wire stranded, class 5 acc. to EN 60228

Insulation:

crossed-linked elastomeric compound, type EI6 acc. to EN 50363-1

Sheath:

thermoplastic polyurethane, type TMPU, acc. to EN 50363-10-2



TEHNIČKI PODACI / TECHNICAL DATA

Norme: EN 50525-2-21

Nazivni napon: $U_0/U = 450/750$ V

Ispitni napon: 2500 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -40° C
Radna temperatura: -40° C do +90° C
Temperatura kratkog spoja max. 5s: 250° C

Minimalni polumjer savijanja: 5xØ kabela

...

Standards: EN 50525-2-21

Nominal voltage: $U_0/U = 450/750$ V

Test voltage: 2500 V

Temperature range:

Minimum temperature during installation: -40° C
Fixed installed: -40° C to +90° C
At short circuit of max. 5s: 250° C

Minimal inner bending radius: 5xØ cable

...

Moguća boja plašta / Sheath colour identification

● narančasta (or) RAL 2003 / orange (or) RAL 2003

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel

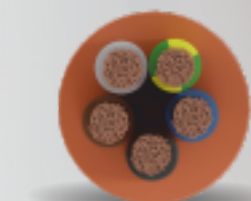
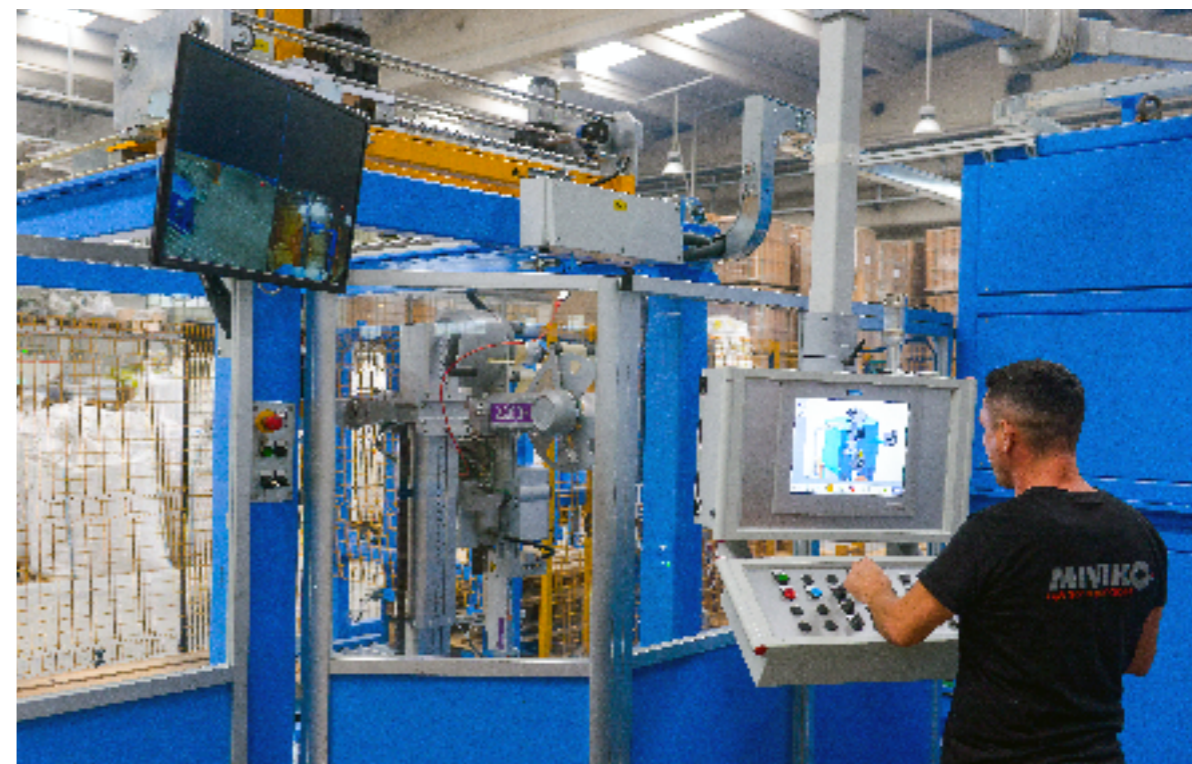


EPR-om izoliran i poliuretanom oplašten fleksibilni kabel EPR insulated and polyurethane sheathed flexible cable

EN 50525-2-21

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* Cable Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 1	6,8	19,5	19,2	52	KOT 100, SP45 500
2 x 1,5	8,3	13,3	28,8	77	KOT 100, SP45 500
2 x 2,5	9,8	7,98	48	113	KOT 100, SP70 500
2 x 4	11,4	4,95	76,8	162	KOT 100, DB09 500
2 x 6	12,7	3,30	115,2	217	KOT 100, DB09 500
2 x 10	16,6	1,91	192	372	KOT 100, DB10 500
2 x 16	19,1	1,21	307,2	566	KOT 100, DB10 500
3 x 1	7,2	19,5	28,8	63	KOT 100, SP45 500
3 x 1,5	8,8	13,3	43,2	93	KOT 100, SP60 500
3 x 2,5	10,4	7,98	72	137	KOT 100, SP70 500
3 x 4	12,1	4,95	115,2	201	KOT 100, DB09 500
3 x 6	13,7	3,30	172,8	277	KOT 100, DB09 500
3 x 10	17,8	1,91	288	473	KOT 100, DB10 500
3 x 16	20,7	1,21	460,8	694	KOT 100, DB12 500
4 x 1	8,0	19,5	38,4	79	KOT 100, SP45 500
4 x 1,5	9,8	13,3	57,6	116	KOT 100, SP60 500
4 x 2,5	11,6	7,98	96	172	KOT 100, SP70 500
4 x 4	13,5	4,95	153,6	255	KOT 100, DB09 500
4 x 6	15,2	3,30	230,4	352	KOT 100, DB09 500
4 x 10	19,6	1,91	384	597	KOT 100, DB10 500
4 x 16	22,6	1,21	614,4	870	KOT 100, DB12 500
5 x 1	8,9	19,5	48	98	KOT 100, SP45 500
5 x 1,5	10,7	13,3	72	141	KOT 100, SP60 500
5 x 2,5	12,9	7,98	120	214	KOT 100, SP70 500
5 x 4	15,0	4,95	192	314	KOT 100, DB09 500
5 x 6	16,9	3,30	288	434	KOT 100, DB09 500
5 x 10	21,6	1,91	480	731	KOT 100, DB10 500
5 x 16	25,1	1,21	768	1078	KOT 100, DB12 500

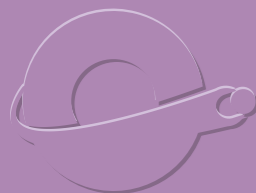


PRIMJENA / APPLICATION

Ovaj se kabel može se koristiti u suhim, vlažnim ili mokrim prostorima, kao i na otvorenom s velikom otpornošću na mehanička naprezanja. Idealan je za primjenu u industrijskim pogonima, građevinarstvu i brodogradilištima, na svim mjestima gdje se traži velika otpornost na habanje i gdje je kabel izložen teškim uvjetima rada, pogodan za upotrebu u zonama smrzavanja.

...

This cable can be used in dry, damp or wet areas, as well as outdoors with high resistance to mechanical stresses. It is ideal for use in industrial plants, construction and shipyards, in all places where high wear resistance is required and where the cable is exposed to severe working conditions, suitable for use in freezing areas.





PRIMJENA / APPLICATION

Ovaj se kabel može se koristiti u suhim, vlažnim ili mokrim prostorima, kao i na otvorenom s velikom otpornošću na mehanička naprezanja. Idealan je za primjenu u industrijskim pogonima, građevinarstvu i brodogradilištima, na svim mjestima gdje se traži velika otpornost na habanje i gdje je kabel izložen teškim uvjetima rada, pogodan za upotrebu u zonama smrzavanja.

This cable can be used in dry, damp or wet areas, as well as outdoors with high resistance to mechanical stresses. It is ideal for use in industrial plants, construction and shipyards, in all places where high wear resistance is required and where the cable is exposed to severe working conditions, suitable for use in freezing areas.

EPR-om izoliran i poliuretanom oplašten fleksibilni kabel
EPR insulated and polyurethane sheathed flexible cable

EN 50525-2-21



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228

Izolacija: Umrežena elastomerna mješavina tip EI6 prema EN 50363-1

Plast: termoplastični poliuretan tip TPU prema EN 50363-10-2

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228

Insulation: cross-linked elastomeric compound, type EI6 acc. to EN 50363-1

Sheath: thermoplastic polyurethane, type TPU, acc. to EN 50363-10-2



TEHNIČKI PODACI / TECHNICAL DATA

Norme: EN 50525-2-21

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

Ispitni napon: 2000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -40° C

Radna temperatura: -40° C do +90° C

Temperatura kratkog spoja max. 5s: 250° C

Minimalni polumjer savijanja: $5 \times \varnothing$ kabela

Standards: EN 50525-2-21

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

Test voltage: 2000 V

Temperature range:

Minimum temperature during installation: -40° C

Fixed installed: -40° C to +90° C

At short circuit of max. 5s: 250° C

Minimal inner bending radius: $5 \times \varnothing$ cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

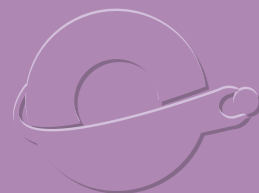
Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,75	6,3	26,0	14,4	43	KOT 100, SP45 500
2 x 1,0	6,8	19,5	19,2	52	KOT 100, SP45 500
3 x 0,75	6,8	26,0	21,6	54	KOT 100, SP45 500
3 x 1,0	7,2	19,5	28,8	63	KOT 100, SP45 500
4 x 0,75	7,4	26,0	28,8	65	KOT 100, SP45 500
4 x 1,0	7,8	19,5	38,4	76	KOT 100, SP45 500
5 x 0,75	8,3	26,0	36	81	KOT 100, SP45 500
5 x 1,0	8,7	19,5	48	95	KOT 100, SP45 500

Moguća boja plašta / Sheath colour identification

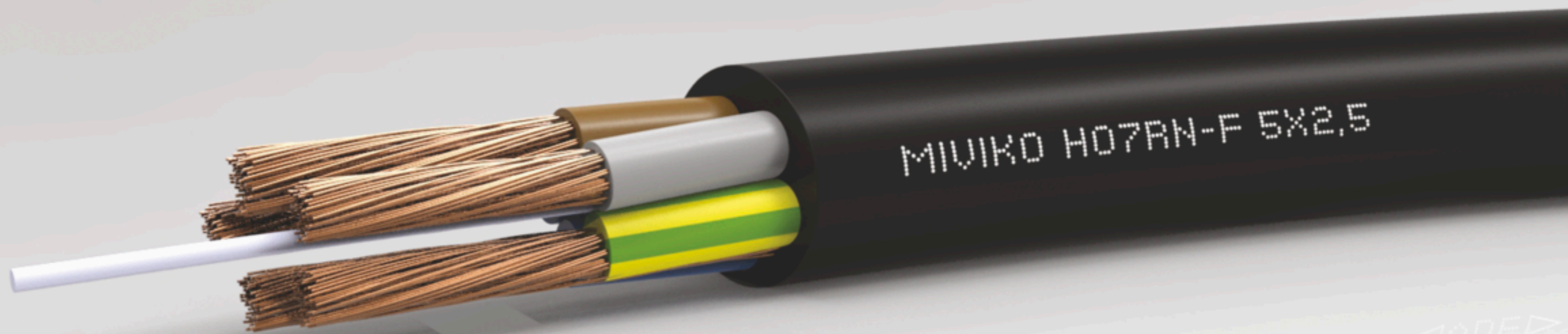
● narančasta (or) RAL 2003 / orange (or) RAL 2003

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel



GUMOM IZOLIRANI I OPLAŠTENI KABELI
RUBBER INSULATED AND SHEATHED CABLES



MIVIKO H07RN-F 5X2,5

MIVIKO H07RN-F 5X2,5



Teškom gumom izoliran i oplašten fleksibilni kabel Heavy rubber sheathed and insulated flexible cable

EN 50525-2-21



KONSTRUKCIJA / CONSTRUCTION

Vodič:

Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228

Izolacija:

umrežena elastomerna smjesa, tip EI4, prema EN 50363-1

Plašt:

umrežena elastomerna smjesa, tip EM2, prema EN 50363-1

...

Conductor:

copper conductor, fine-wire stranded, class 5 acc. to EN 60228

Insulation:

cross-linked elastomeric compound, type EI4, acc. to EN 50363-1

Sheath:

cross-linked elastomeric compound, type EM2, acc. to EN 50363-1

...



TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti: GN/J prema standardu HRN N.C3.502
GMS prema standardu ÖVE K 40

Norme: EN 50525-2-21

Nazivni napon: $U_0/U = 450/750$ V
Ispitni napon: 2500 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -25° C
Radna temperatura: -35° C do +60° C
Temperatura kratkog spoja max. 5s: 200° C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: 6xØ kabela

...

Equivalents: GN/J acc. to HRN N.C3.502
GMS acc. to ÖVE K 40

Standards: EN 50525-2-21

Nominal voltage: $U_0/U = 450/750$ V
Test voltage: 2500 V

Temperature range:

Minimum temperature during installation: -25° C
Fixed installed: -35° C to +60° C
At short circuit of max. 5s: 200° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimal inner bending radius: 6xØ cable

...



Teškom gumom izoliran i oplašten fleksibilni kabel Heavy rubber sheathed and insulated flexible cable

EN 50525-2-21

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* Cable Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
1 x 1,5	5,9	13,3	14,4	50	KOT 100, SP40 500
1 x 2,5	6,6	7,98	24	79	KOT 100, SP40 500
1 x 4	7,4	4,95	38,4	100	KOT 100, SP40 500
1 x 6	8,1	3,3	57,6	130	KOT 100, SP45 500
1 x 10	9,7	1,91	96	204	KOT 100, SP45 500
1 x 16	11,0	1,21	153,6	280	KOT 100, SP50 500
1 x 25	12,9	0,78	240	390	KOT 100, SP60 500
1 x 35	14,6	0,554	336	520	KOT 100, SP70 500
1 x 50	16,8	0,386	480	700	DB09 500
1 x 70	18,9	0,272	672	940	DB10 500
2 x 1,5	8,1	13,3	28,8	136	KOT 100, SP45 500
2 x 2,5	10,6	7,98	48	190	KOT 100, SP50 500
2 x 4	12,1	4,95	76,8	271	KOT 100, SP60 500
2 x 6	13,6	3,3	115,2	370	KOT 100, SP60 500
2 x 10	18,1	1,91	192	643	DB09 500
2 x 16	20,5	1,21	307,2	810	DB10 500
3 x 1,5	9,4	13,3	43,2	155	KOT 100, SP45 500
3 x 2,5	11,1	7,98	72	229	KOT 100, SP50 500
3 x 4	12,9	4,95	115,2	310	KOT 100, SP60 500
3 x 6	14,3	3,3	172,8	400	KOT 100, SP70 500
3 x 10	19,3	1,91	288	776	DB10 500
3 x 16	22,1	1,21	460,8	1000	DB10 500
3 x 25	27,0	0,78	720	1250	DB12 500
3 x 35	29,6	0,554	1008	1728	DB12 500
4 x 1,5	10,4	13,3	57,6	190	KOT 100, SP50 500
4 x 2,5	12,3	7,98	96	279	KOT 100, SP60 500
4 x 4	14,2	4,95	153,6	380	KOT 100, SP70 500
4 x 6	15,9	3,3	230,4	510	KOT 100, SP75 500
4 x 10	21,3	1,91	384	935	DB10 500
4 x 16	24,2	1,21	614,4	1250	DB12 500
4 x 25	29,3	0,78	960	1692	DB12 500
5 x 1,5	11,5	13,3	72	230	KOT 100, SP60 500
5 x 2,5	13,5	7,98	120	340	KOT 100, SP60 500
5 x 4	15,9	4,95	192	470	KOT 100, SP75 500
5 x 6	17,9	3,3	28	620	DB09 500
5 x 10	22,3	1,91	480	1150	DB10 500
5 x 16	26,9	1,21	768	1460	DB12 500
7 x 1,5	14,5	13,3	100,8	335	KOT 100, SP70 500
7 x 2,5	17,0	7,98	168	520	KOT 100, SP75 500

Moguća boja plašta / Sheath colour identification

● (bk) crna / black

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel



PRIMJENA / APPLICATION

Laki gumeni kabel, upotrebljava se u domaćinstvima, kuhinjama, uredima i radionicama za manje električne uređaje (usisivači, perilice, hladnjaci, štednjaci, mikseri, tosteri, glačala itd.) i prijenosne uređaje koji rade u težim uvjetima (laki industrijski strojevi). Nije pogodan za trajnu upotrebu u vanjskom prostoru. Otporan je na utjecaj ozona i može doći u doticaj s uljima i masnoćama.

...

Light rubber cable, used for light-duty and medium mechanical loads in dry areas. Suitable for smaller electrical devices (washing-machines, vacuum-cleaners, irons, household appliances, soldering sets etc.) and portable devices operating in heavier conditions, such as light industrial and agricultural machines. Not suitable for permanent outdoor use. Ozone-resistant, allowed contact with oils and greases.



Lakom gumom izoliran i oplašten fleksibilni kabel Light rubber insulated and sheathed flexible cable

EN 50525-2-21



KONSTRUKCIJA / CONSTRUCTION

Vodič:

Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228

Izolacija:

umrežena elastomerna smjesa, tip EI4, prema EN 50363-1

Plašt:

umrežena elastomerna smjesa, tip EM3, prema EN 50363-1

...

Conductor:

copper conductor, fine-wire stranded, class 5 acc. to EN 60228

Insulation:

cross-linked elastomeric compound, type EI4, acc. to EN 50363-1

Sheath:

cross-linked elastomeric compound, type EM3, acc. to EN 50363-1



TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti: GG/J prema standardu HRN N.C3.502
GML prema standardu ÖVE K 40

Norme: EN 50525-2-21

Nazivni napon: $U_0/U = 300/500$ V
Ispitni napon: 2000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: +5° C
Radna temperatura: -35° C do +60° C
Temperatura kratkog spoja max. 5s: 200° C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: 8xØ kabla

...

Equivalents: GG/J acc. to HRN N.C3.502
GML acc. to ÖVE K 40

Standards: EN 50525-2-21

Nominal voltage: $U_0/U = 300/500$ V
Test voltage: 2000 V

Temperature range:

Minimum temperature during installation: +5° C
Fixed installed: -35° C to +60° C
At short circuit of max. 5s: 200° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimal inner bending radius: 8xØ cable

...

MIVIKO
high tech copper cables



Lakom gumom izoliran i oplašten fleksibilni kabel Light rubber insulated and sheathed flexible cable

EN 50525-2-21

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 kabla Cable weight	Standardno pakiranje* Cable Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 1,5	8,6	13,3	28,8	85	KOT 100
2 x 2,5	10,2	7,98	48	118	KOT 100
3 x 1,5	9,2	13,3	43,2	98	KOT 100
3 x 2,5	10,8	7,98	72	142	KOT 100
4 x 1,5	10,0	13,3	57,6	116	KOT 100
4 x 2,5	11,8	7,98	96	178	KOT 100
5 x 1,5	11,0	13,3	72	146	KOT 100
5 x 2,5	12,9	7,98	120	216	KOT 100

Moguća boja plašta / Sheath colour identification

● (bk) crna / black

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel





ENERGETSKI KABELI 0,6/1 kV
POWER CABLES 0,6/1 kV



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

ÖVE/ ÖNORM E 8200-603

**KONSTRUKCIJA / CONSTRUCTION****Vodič:**
Cu (bakreni) vodič, klase 1 (puni) ili klase 2 (višežični) prema EN 60228**Izolacija:**
PVC smjesa DIV-1 prema HD 603.1**Ispuna:**
elastomerna ili plastomerna mješavina**Plast:**
PVC smjesa DMV-1 prema HD 603.1**Conductor:**
Cu, class 1 or 2 acc. to EN 60228**Insulation:**
PVC compound DIV-1 acc. to HD 603.1**Filler:**
elastomer or plastomer compound**Sheath:**
PVC compound DMV-1 acc. to HD 603.1**TEHNIČKI PODACI / TECHNICAL DATA****Ekvivalenti:** PP00 prema standardu SRPS N.C5.220
NYY prema standardu DIN VDE 0276-603**Norme:** ÖVE/ ÖNORM E 8200-603**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 kabela višežilni, 15xØ kabela za jednožilni**Equivalents:** PP00 acc. to SRPS N.C5.220
NYY acc. to DIN VDE 0276-603**Standards:** ÖVE/ ÖNORM E 8200-603**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 to +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**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**PVC-om izoliran i oplašten energetski kabel**
PVC insulated and sheathed power cable

ÖVE/ ÖNORM E 8200-603

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	8,1	1,83	64	83	96	147	KOT 100, SP40 500
1 x 10	RM	8,3	1,83	64	83	96	151	KOT 100, SP40 500
1 x 16	RE	9,0	1,15	84	107	154	206	KOT 100, SP45 500
1 x 16	RM	9,4	1,15	84	107	154	216	KOT 100, SP45 500
1 x 25	RM	11,1	0,727	114	138	240	321	SP60 500
1 x 35	RM	12,1	0,524	139	164	336	416	DB07 500
1 x 50	RM	13,7	0,387	169	195	480	553	DB08 500
1 x 70	RM	15,2	0,268	213	238	672	756	DB08 500
1 x 95	RM	17,2	0,193	264	286	912	1024	DB09 500
1 x 120	RM	18,5	0,153	307	318	1152	1263	DB09 500
2 x 1,5	RE	8,8	12,1	20	27	29	122	KOT 100, SP45 500
2 x 2,5	RE	9,6	7,41	25	36	48	154	KOT 100, SP45 500
2 x 4	RE	11,2	4,61	34	46	77	221	KOT 100, SP60 500
2 x 6	RE	12,6	3,08	43	58	115	294	KOT 100, SP60 500
2 x 10	RE	14,2	1,83	59	78	192	407	DB08 500
2 x 10	RM	14,7	1,83	59	78	192	425	DB08 500
3 x 1,5	RE	9,3	12,1	20	27	43	140	KOT 100, SP45 500
3 x 2,5	RE	10,1	7,41	25	36	72	181	KOT 100, SP50 500
3 x 4	RE	11,8	4,61	34	46	115	262	KOT 100, SP60 500
3 x 6	RE	13,3	3,08	43	58	173	352	KOT 100, SP70 500
3 x 10	RE	15,0	1,83	59	78	288	499	DB08 500
3 x 10	RM	15,6	1,83	59	78	288	519	DB09 500
3 x 16	RE	17,0	1,15	78	101	461	703	DB09 500
3 x 16	RM	17,8	1,15	78	101	461	746	DB09 500
3 x 25	RM	21,5	0,727	105	132	720	1127	DB10 500
3 x 35	RM	24,0	0,524	129	159	1008	1473	DB12 500
4 x 1,5	RE	9,9	12,1	20	27	58	165	KOT 100, SP50 500
4 x 2,5	RE	10,9	7,41	25	36	96	215	KOT 100, SP50 500
4 x 4	RE	12,8	4,61	34	46	154	315	KOT 100, SP60 500
4 x 6	RE	14,4	3,08	43	58	230	430	KOT 100, DB08 500
4 x 10	RE	16,3	1,83	59	78	384	617	DB09 500
4 x 10	RM	16,9	1,83	59	78	384	640	DB09 500
4 x 16	RE	18,5	1,15	78	101	614	877	DB09 500
4 x 16	RM	19,5	1,15	78	101	614	929	DB10 500
4 x 25	RM	23,9	0,727	105	132	960	1431	DB12 500
5 x 1,5	RE	10,7	12,1	20	27	72	195	KOT 100, SP50 500
5 x 2,5	RE	11,7	7,41	25	36	120	258	KOT 100, SP60 500
5 x 4	RE	13,9	4,61	34	46	192	381	KOT 100, SP70 500
5 x 6	RE	15,7	3,08	43	58	288	515	KOT 100, DB09 500
5 x 10	RE	17,8	1,83	59	78	480	746	DB09 500
5 x 10	RM	18,5	1,83	59	78	480	774	DB09 500
5 x 16	RE	20,2	1,15	78	101	768	1067	DB10 500
5 x 16	RM	21,3	1,15	78	101	768	1129	DB10 500
7 x 1,5	RE	11,5	12,1	20	27	101	237	KOT 100, SP60 500
7 x 2,5	RE	12,6	7,41	25	36	168	318	KOT 100, SP60 500
10 x 1,5	RE	14,1	12,1	20	27	144	330	SP70 500
10 x 2,5	RE	15,6	7,41	25	36	240	447	SP75 500
12 x 1,5	RE	14,5	12,1	20	27	173	369	SP75 500
12 x 2,5	RE	16,1	7,41	25	36	288	504	DB09 500
14 x 1,5	RE	15,2	12,1	20	27	202	412	DB08 500
14 x 2,5	RE	16,9	7,41	25	36	336	568	DB09 500
16 x 1,5	RE	16,0	12,1	20	27	230	458	DB09 500
16 x 2,5	RE	17,8	7,41	25	36	384	633	DB09 500
19 x 1,5	RE	16,8	12,1	20	27	274	522	DB09 500
19 x 2,5	RE	18,7	7,41	25	36	456	727	DB09 500



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

DIN VDE 0276-603 • HRN HD 603 S1



KONSTRUKCIJA / CONSTRUCTION

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

Izolacija:
PVC smjesa **DIV-4** prema **HD 603.1**

Ispuna:
elastomerna ili plastomerna mješavina

Plast:
PVC smjesa **DMV-5** prema **HD 603.1**

Conductor:
Cu, class **1** or **2** acc. to **EN 60228**

Insulation:
PVC compound **DIV-4** acc. to **HD 603.1**

Filler:
elastomer or plastomer compound

Sheath:
PVC compound **DMV-5** acc. to **HD 603.1**



TEHNIČKI PODACI / TECHNICAL DATA

Ekivalenti: **PP00** prema standardu **SRPS N.C5.220**
E-YY prema standardu **ÖVE/ÖNORM E 8200-603**

Norme: **DIN VDE 0276-603**
HRN HD 603 S1

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 kabela višežilni, 15xØ kabela za jednožilni

Equivalents: **PP00** acc. to **SRPS N.C5.220**
E-YY acc. to **ÖVE/ÖNORM E 8200-603**

Standards: **DIN VDE 0276-603**
HRN HD 603 S1

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 to +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

Moguća boja plašta / Sheath colour identification

● (bk) crna / black

* **Pakiranje:** **KOT 100** = kolot 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



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

DIN VDE 0276-603 • HRN HD 603 S1

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 6	RE	8,7	3,08	47	62	58	132	KOT 100, SP45 500
1 x 10	RE	9,5	1,83	64	83	96	177	KOT 100, SP45 500
1 x 10	RM	9,7	1,83	64	83	96	182	KOT 100, SP50 500
1 x 16	RE	10,4	1,15	84	107	154	239	SP50 500
1 x 16	RM	10,8	1,15	84	107	154	250	SP50 500
1 x 25	RM	12,5	0,727	114	138	240	363	DB07 500
1 x 35	RM	13,5	0,524	139	164	336	460	DB07 500
1 x 50	RM	15,2	0,387	169	195	480	605	DB08 500
1 x 70	RM	16,7	0,268	213	238	672	813	DB09 500
1 x 95	RM	18,7	0,193	264	286	912	1090	DB10 500
1 x 120	RM	20,0	0,153	307	318	1152	1334	DB10 500
2 x 1,5	RE	10,5	12,1	20	27	29	162	KOT 100, SP50 500
2 x 2,5	RE	11,3	7,41	25	36	48	198	KOT 100, SP60 500
2 x 4	RE	13,0	4,61	34	47	77	274	KOT 100, SP60 500
2 x 6	RE	14,4	3,08	43	59	115	352	KOT 100, SP70 500
2 x 10	RE	15,9	1,83	59	79	192	472	KOT 100, DB09 500
2 x 10	RM	16,4	1,83	59	79	192	492	DB09 500
2 x 16	RM	18,5	1,15	79	102	307	663	DB09 500
2 x 25	RM	22,0	0,727	106	133	480	973	DB10 500
2 x 35	RM	24,0	0,524	129	159	672	1226	DB12 500
3 x 1,5	RE	11,0	12,1	20	27	43	183	KOT 100, SP50 500
3 x 2,5	RE	11,8	7,41	25	36	72	227	KOT 100, SP60 500
3 x 4	RE	13,6	4,61	34	47	115	319	KOT 100, SP70 500
3 x 6	RE	15,1	3,08	43	59	173	415	KOT 100, SP75 500
3 x 10	RE	16,8	1,83	59	79	288	569	DB09 500
3 x 10	RM	17,3	1,83	59	79	288	591	DB09 500
3 x 16	RE	18,7	1,15	79	102	461	782	DB10 500
3 x 16	RM	19,6	1,15	79	102	461	828	DB10 500
3 x 25	RM	23,4	0,727	106	133	720	1231	DB10 500
3 x 35	RM	25,5	0,524	129	159	1008	1568	DB12 500
4 x 1,5	RE	11,7	12,1	20	27	58	212	KOT 100, SP60 500
4 x 2,5	RE	12,7	7,41	25	36	96	267	KOT 100, SP60 500
4 x 4	RE	14,7	4,61	34	47	154	379	KOT 100, SP75 500
4 x 6	RE	16,3	3,08	43	59	230	500	KOT 100, DB09 500
4 x 10	RE	18,2	1,83	59	79	384	697	DB09 500
4 x 10	RM	18,8	1,83	59	79	384	723	DB10 500
4 x 16	RE	20,4	1,15	79	102	614	966	DB10 500
4 x 16	RM	21,3	1,15	79	102	614	1023	DB10 500
4 x 25	RM	25,6	0,727	106	133	960	1530	DB12 500
5 x 1,5	RE	12,6	12,1	20	27	72	249	KOT 100, SP60 500
5 x 2,5	RE	13,6	7,41	25	36	120	316	KOT 100, SP70 500
5 x 4	RE	15,9	4,61	34	47	192	454	KOT 100, DB06 500
5 x 6	RE	17,6	3,08	43	59	288	596	KOT 100, DB09 500
5 x 10	RE	19,8	1,83	59	79	480	836	DB10 500
5 x 10	RM	20,4	1,83	59	79	480	867	DB10 500
5 x 16	RE	22,2	1,15	79	102	768	1168	DB10 500
5 x 16	RM	23,3	1,15	79	102	768	1236	DB10 500
7 x 1,5	RE	13,5	12,1	20	27	101	297	KOT 100, SP70 500
7 x 2,5	RE	14,6	7,41	25	36	168	384	KOT 100, SP75 500
7 x 4	RE	17,2	4,61	34	47	269	558	DB09 500
7 x 6	RE	19,0	3,08	43	59	403	739	DB10 500
10 x 1,5	RE	16,4	12,1	20	27	144	410	DB09 500
10 x 2,5	RE	17,9	7,41	25	36	240	535	DB09 500
12 x 1,5	RE	16,9	12,1	20	27	173	453	DB09 500
12 x 2,5	RE	18,4	7,41	25	36	288	597	DB09 500
14 x 1,5	RE	17,6	12,1	20	27	202	504	DB09 500
14 x 2,5	RE	19,3	7,41	25	36	336	668	DB10 500
16 x 1,5	RE	18,5	12,1	20	27	230	556	DB09 500
16 x 2,5	RE	20,2	7,41	25	36	384	741	DB10 500
19 x 1,5	RE	19,3	12,1	20	27	274	630	DB10 500
19 x 2,5	RE	21,2	7,41	25	36	456	846	DB10 500

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

ÖVE/ÖNORM E 8200-603

**KONSTRUKCIJA / CONSTRUCTION****Vodič:**
Cu (bakreni) vodič, klase 1 (puni) ili klase 2 (višežični) prema EN 60228**Izolacija:**
PVC smjesa DIV-4 prema HD 603.1**Ispuna:**
elastomerna ili plastomerna mješavina**Plast:**
tvrda PE (polietilenska) smjesa DMP 1 prema HD 603 S1-1

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Conductor:
Cu, class 1 or 2 acc. to EN 60228**Insulation:**
PVC compound DIV-4 acc. to HD 603.1**Filler:**
elastomer or plastomer compound**Sheath:**
rigid PE (polyethylene) compound DMP 1 acc. to HD 603 S1-1

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**TEHNIČKI PODACI / TECHNICAL DATA****Ekivalenti:** NY2Y prema standardu DIN VDE 0276-603**Norme:** ÖVE/ÖNORM E 8200-603**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 kabela višežilni, 15xØ kabela za jednožilni

...

Equivalents: NY2Y acc. to DIN VDE 0276-603**Standards:** ÖVE/ÖNORM E 8200-603**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 to +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

...

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

ÖVE/ÖNORM E 8200-603

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	9,1	1,83	64	83	100	162	SP45 500
1 x 16	RE/RM	10,7	1,15	84	107	160	218	SP45 500
1 x 25	RM	12,5	0,727	114	138	250	338	SP50 500S
1 x 35	RM	13,6	0,524	139	164	350	442	P60 500
1 x 50	RM	15,4	0,387	169	195	500	573	SP70 500
2 x 1,5	RE	11,6	12,1	20	27	30	125	SP45 500
2 x 2,5	RE	12,4	7,41	25	36	50	161	SP50 500
2 x 4	RE	14,1	4,61	34	46	80	230	SP60 500
2 x 6	RE	15,1	3,08	43	58	120	305	SP60 500
3 x 1,5	RE	12,0	12,1	20	27	45	140	KOT 100, SP50 500
3 x 2,5	RE	12,9	7,41	25	36	75	186	KOT 100, SP50 500
3 x 4	RE	14,8	4,61	34	46	120	256	KOT 100, SP60 500
3 x 6	RE	15,9	3,08	43	58	180	354	SP70 500
3 x 10	RE/RM	17,6	1,83	59	78	300	520	DB09 500
3 x 16	RE/RM	21,0	1,15	78	101	480	768	DB09 500
3 x 25	RM	25,1	0,727	105	132	750	1196	DB10 500
3 x 35	RM	27,5	0,524	129	159	1050	1525	DB12 500
4 x 1,5	RE	13,0	12,1	20	27	60	165	KOT 100, SP50 500
4 x 2,5	RE	13,9	7,41	25	36	100	225	KOT 100, SP60 500
4 x 4	RE	15,8	4,61	34	46	160	326	KOT 100, SP70 500
4 x 6	RE	16,9	3,08	43	58	240	436	SP75 500
4 x 10	RE/RM	19,1	1,83	59	78	400	620	DB09 500
4 x 16	RE/RM	22,0	1,15	78	107	640	980	DB10 500
4 x 25	RM	27,8	0,727	105	132	1000	1506	DB12 500
5 x 1,5	RE	13,3	12,1	20	27	75	192	KOT 100, SP60 500
5 x 2,5	RE	14,3	7,41	25	36	125	264	KOT 100, SP60 500
5 x 4	RE	16,7	4,61	34	46	200	369	KOT 100, SP75 500
5 x 6	RE	18,1	3,08	43	58	300	518	DB09 500
5 x 10	RE/RM	20,6	1,83	59	78	500	780	DB09 500
5 x 16	RE/RM	25,7	1,15	78	101	800	1198	DB10 500

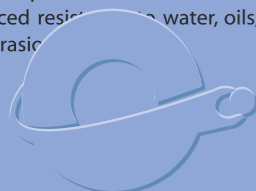
Moguća boja plašta / Sheath colour identification

● (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**PRIMJENA / APPLICATION**

Energetski kabel za napajanje, za fiksna vanjska polaganja u zemlju ili beton (uz odgovarajuću mehaničku zaštitu), u zatvorenim prostorijama, kabelskim kanalima, u uvjetima gdje se mogu očekivati veća mehanička opterećenja. Upotrebljava se u elektranama, trafostanicama, industrijskim pogonima, gradskim mrežama i drugim električnim postrojenjima. HDPE plašt osigurava poboljšanu otpornost na vodu, ulja i kemikalije te otpornost prema habanju.

Distribution power cable for static outdoor application in ground or concrete (with sufficient mechanical protection), within facilities, in cable channels, in conditions where heavier mechanical loads and special tensile strains are expected. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and in other electric plants. HDPE sheath provides enhanced resistance to water, oils, chemicals and abrasion.



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

DIN VDE 0276-603 • HRN HD 603 S1

**KONSTRUKCIJA / CONSTRUCTION****Vodič:**
Cu (bakreni) vodič, klase 1 (puni) ili klase 2 (višežični) prema EN 60228**Izolacija:**
PVC smjesa DIV-4 prema HD 603 S1-1**Ispuna:**
elastomerna ili plastomerna mješavina**Plast:**
tvrda PE (polietilenska) smjesa DMP 2 prema HD 603 S1-1

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Conductor:
Cu, class 1 or 2 acc. to EN 60228**Insulation:**
PVC compound DIV-4 acc. to HD 603 S1-1**Filler:**
elastomer or plastomer compound**Sheath:**
rigid PE (polyethylene) compound DMP 2 acc. to HD 603 S1-1**TEHNIČKI PODACI / TECHNICAL DATA****Ekvivalenti:** E-Y2Y prema standardu ÖVE/ÖNORM E 8200-603**Norme:** DIN VDE 0276-603
HRN HD 603 S1**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 kabela višežilni, 15xØ kabela za jednožilni

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Equivalents: E-Y2Y acc. to ÖVE/ÖNORM E 8200-603**Standards:** DIN VDE 0276-603
HRN HD 603 S1**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 to +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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MIVIKO
high tech copper cables**PVC-om izoliran i HDPE-om oplašten energetski kabel**
PVC insulated and HDPE sheathed power cable

DIN VDE 0276-603 • HRN HD 603 S1

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	9,1	1,83	64	83	96	162	SP45 500
1 x 16	RE/RM	10,7	1,15	84	107	154	218	SP45 500
1 x 25	RM	12,5	0,727	114	138	240	338	SP50 500
1 x 35	RM	13,6	0,524	139	164	336	442	SP60 500
1 x 50	RM	15,4	0,387	169	195	480	573	SP70 500
2 x 1,5	RE	11,6	12,1	20	27	29	125	SP45 500
2 x 2,5	RE	12,4	7,41	25	36	48	161	SP50 500
2 x 4	RE	14,1	4,61	34	46	77	230	SP60 500
2 x 6	RE	15,1	3,08	43	58	115	305	SP60 500
3 x 1,5	RE	12,0	12,1	20	27	43	140	KOT 100, SP50 500
3 x 2,5	RE	12,9	7,41	25	36	72	186	KOT 100, SP50 500
3 x 4	RE	14,8	4,61	34	46	115	256	KOT 100, SP60 500
3 x 6	RE	15,9	3,08	43	58	173	354	SP70 500
3 x 10	RE/RM	17,6	1,83	59	78	288	520	DB09 500
3 x 16	RE/RM	21,0	1,15	78	101	461	768	DB09 500
3 x 25	RM	25,1	0,727	105	132	720	1196	DB10 500
3 x 35	RM	27,5	0,524	129	159	1008	1525	DB12 500
4 x 1,5	RE	13,0	12,1	20	27	58	165	KOT 100, SP50 500
4 x 2,5	RE	13,9	7,41	25	36	96	225	KOT 100, SP60 500
4 x 4	RE	15,8	4,61	34	46	154	326	KOT 100, SP70 500
4 x 6	RE	16,9	3,08	43	58	230	436	SP75 500
4 x 10	RE/RM	19,1	1,83	59	78	384	620	DB09 500
4 x 16	RE/RM	22,0	1,15	78	107	614	980	DB10 500
4 x 25	RM	27,8	0,727	105	132	960	1506	DB12 500
5 x 1,5	RE	13,3	12,1	20	27	72	192	KOT 100, SP60 500
5 x 2,5	RE	14,3	7,41	25	36	120	264	KOT 100, SP60 500
5 x 4	RE	16,7	4,61	34	46	192	369	KOT 100, SP75 500
5 x 6	RE	18,1	3,08	43	58	288	518	DB09 500
5 x 10	RE/RM	20,6	1,83	59	78	480	780	DB09 500
5 x 16	RE/RM	25,7	1,15	78	101	768	1198	DB10 500

Moguća boja plašta / Sheath colour identification

● (bk) crna / black

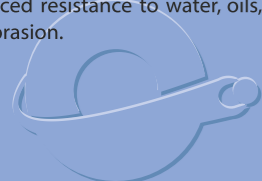
* **Pakiranje:** KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj, DB = kabel namotan na standardni bubanj
* **Packing:** KOT 100 = coil 100m, SP = cable on plywood reel, DB = cable on wooden drum

www.miviko-cables.com

**PRIMJENA / APPLICATION**

Energetski kabel za napajanje, za fiksna vanjska polaganja u zemlju ili beton (uz odgovarajuću mehaničku zaštitu), u zatvorenim prostorijama, kabelskim kanalima, u uvjetima gdje se mogu očekivati veća mehanička opterećenja. Upotrebljava se u elektranama, trafostanicama, industrijskim pogonima, gradskim mrežama i drugim električnim postrojenjima. HDPE plašt osigurava poboljšanu otpornost na vodu, ulja i kemikalije te otpornost prema habanju.

Distribution power cable for static outdoor application in ground or concrete (with sufficient mechanical protection), within facilities, in cable channels, in conditions where heavier mechanical loads and special tensile strains are expected. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and in other electric plants. HDPE sheath provides enhanced resistance to water, oils, chemicals and abrasion.





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

DIN VDE 0276-603 • HRN HD 603 S1



KONSTRUKCIJA / CONSTRUCTION

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

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

Ispuna:
elastomerna ili plastomerna mješavina

Plast:
PVC smjesa DMV-6 prema HD 603 S1

Conductor:
Cu, class 1 or 2 acc. to EN 60228

Insulation:
XLPE-compound DIX 3 acc. to HD 603 S1

Filler:
elastomer or plastomer compound

Sheath:
PVC compound DMV-6 acc. to HD 603 S1



TEHNIČKI PODACI / TECHNICAL DATA

Ekvivalenti: XP00 prema standardu SRPS N.C5.230
Cu/XLPE/PVC prema standardu BS 5467

Norme: DIN VDE 0276-603
HRN HD 603 S1

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 +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

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

Standards: DIN VDE 0276-603
HRN HD 603 S1

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 to +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

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



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

DIN VDE 0276-603 • HRN HD 603 S1

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 6	RE	8,1	3,08	56	67	58	115	KOT 100, SP40 500
1 x 10	RE	9,5	1,83	77	89	96	169	KOT 100, SP45 500
1 x 10	RM	9,7	1,83	77	89	96	173	KOT 100, SP50 500
1 x 16	RE	10,4	1,15	102	115	154	229	SP50 500
1 x 16	RM	10,8	1,15	102	115	154	239	SP50 500
1 x 25	RM	12,5	0,727	138	148	240	345	DB07 500
1 x 35	RM	13,5	0,524	170	177	336	440	DB07 500
1 x 50	RM	15,2	0,387	207	209	480	577	DB08 500
1 x 70	RM	16,7	0,268	263	256	672	781	DB09 500
1 x 95	RM	18,7	0,193	325	307	912	1047	DB10 500
1 x 120	RM	20,0	0,153	380	349	1152	1287	DB10 500
2 x 1,5	RE	10,5	12,1	24	31	29	156	KOT 100, SP50 500
2 x 2,5	RE	11,3	7,41	32	40	48	190	KOT 100, SP60 500
2 x 4	RE	13,0	4,61	42	52	77	262	KOT 100, SP60 500
2 x 6	RE	14,4	3,08	53	64	115	338	KOT 100, SP70 500
2 x 10	RE	15,9	1,83	74	86	192	455	KOT 100, DB09 500
2 x 10	RM	16,4	1,83	74	86	192	474	DB09 500
2 x 16	RM	18,5	1,15	98	112	307	620	DB09 500
2 x 25	RM	22,0	0,727	133	145	480	907	DB10 500
2 x 35	RM	24,0	0,524	162	174	672	1147	DB12 500
3 x 1,5	RE	11,0	12,1	24	31	43	173	KOT 100, SP50 500
3 x 2,5	RE	11,8	7,41	32	40	72	216	KOT 100, SP60 500
3 x 4	RE	13,6	4,61	42	52	115	301	KOT 100, SP70 500
3 x 6	RE	15,1	3,08	53	64	173	394	KOT 100, SP75 500
3 x 10	RE	16,8	1,83	74	86	288	544	DB09 500
3 x 10	RM	17,3	1,83	74	86	288	563	DB09 500
3 x 16	RE	18,7	1,15	98	112	461	751	DB10 500
3 x 16	RM	19,6	1,15	98	112	461	793	DB10 500
3 x 25	RM	23,4	0,727	133	145	720	1177	DB10 500
3 x 35	RM	25,5	0,524	162	174	1008	1506	DB12 500
4 x 1,5	RE	11,7	12,1	24	31	58	199	KOT 100, SP60 500
4 x 2,5	RE	12,7	7,41	32	40	96	252	KOT 100, SP60 500
4 x 4	RE	14,7	4,61	42	52	154	355	KOT 100, SP75 500
4 x 6	RE	16,3	3,08	53	64	230	471	KOT 100, DB09 500
4 x 10	RE	18,2	1,83	74	86	384	661	DB09 500
4 x 10	RM	18,8	1,83	74	86	384	682	DB10 500
4 x 16	RE	20,4	1,15	98	112	614	923	DB10 500
4 x 16	RM	21,3	1,15	98	112	614	973	DB10 500
4 x 25	RM	25,6	0,727	133	145	960	1453	DB12 500
5 x 1,5	RE	12,6	12,1	24	31	72	231	KOT 100, SP60 500
5 x 2,5	RE	13,6	7,41	32	40	120	294	KOT 100, SP70 500
5 x 4	RE	15,9	4,61	42	52	192	420	KOT 100, SP70 500
5 x 6	RE	17,6	3,08	53	64	288	556	KOT 100, DB09 500
5 x 10	RE	19,8	1,83	74	86	480	787	DB10 500
5 x 10	RM	20,4	1,83	74	86	480	812	DB10 500
5 x 16	RE	22,2	1,15	98	112	768	1108	DB10 500
5 x 16	RM	23,3	1,15	98	112	768	1167	DB10 500
7 x 1,5	RE	13,5	12,1	24	31	101	274	KOT 100, SP70 500
7 x 2,5	RE	14,6	7,41	32	40	168	357	KOT 100, SP75 500
12 x 1,5	RE	16,9	12,1	24	31	173	414	DB09 500
12 x 2,5	RE	18,4	7,41	32	40	288	551	DB09 500



G7 gumom izoliran i PVC-om oplašten energetski kabel G7 rubber insulated and PVC sheathed power cable

CEI UNEL 35375



KONSTRUKCIJA / CONSTRUCTION

Vodič:
bakreni finožični vodič, klase 5, prema EN 60228

Izolacija:
tvrda EPM guma (HEPR, hard ethylene-propylene-rubber), kvalitete G7

Ispuna:
termoplastična mješavina

Plast:
PVC mješavina, tip Rz

...

Conductor:
fine-wire copper conductor, class 5, acc. to EN 60228

Insulation:
rigid EPM rubber (HEPR, hard ethylene-propylene-rubber), quality G7

Filler:
thermoplastic compound

Sheath:
PVC compound, type Rz



TEHNIČKI PODACI / TECHNICAL DATA

Norme: CEI UNEL 35375

Nazivni napon: $U_0/U = 0,6/1$ kV

Ispitni napon: 4000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: -5° C
Radna temperatura: -15° C do +90° C
Temperatura kratkog spoja max. 5s: 250° C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: energetski 4xØ kabela; signalni 6Ø kabela

...

Standards: CEI UNEL 35375

Nominal voltage: $U_0/U = 0,6/1$ kV

Test voltage: 4000 V

Temperature range:
Minimum temperature during installation: -5° C
Fixed installed: -15° C to +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: power 4xØ cable; signal 6Ø cable

...

Moguća boja plašta / Sheath colour identification

● (gy) siva / grey

* **Pakiranje:** KOT 100 = kolot 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

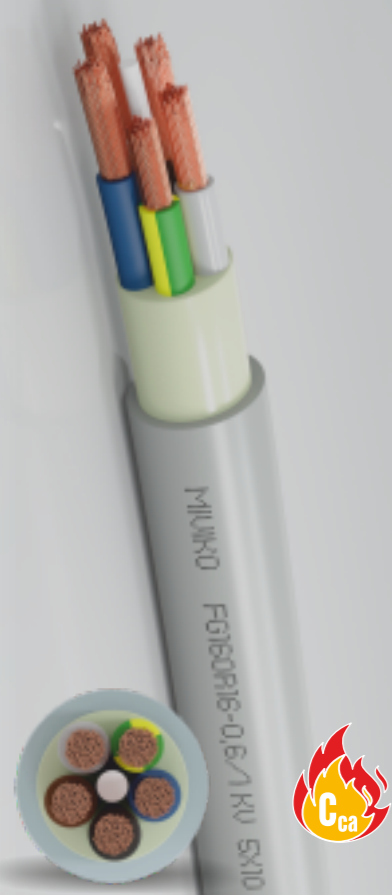


G7 gumom izoliran i PVC-om oplašten energetski kabel G7 rubber insulated and PVC sheathed power cable

CEI UNEL 35375

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek Construction	Vanjski promjer Outer diameter	Otpor vodiča na 20 °C Conductor resistance at 20 °C	Strujno opterećenje (u zraku) Current carrying capacity (air)	Strujno opterećenje (u zemlji) Current carrying capacity (ground)	Cu broj Cu weight	Težina kabela Cable weight	Standardno pakiranje* Packing*
mm ²	ca. mm	Ω/km	nom. A	nom. A	kg/km	ca. kg/km	
1 x 4	11,1	4,95	45	43	38	156	KOT 100, SP50 500
1 x 6	12,2	3,30	58	55	58	194	KOT 100, SP60 500
1 x 10	14,0	1,91	80	73	96	272	KOT 100, SP70 500
1 x 16	16,3	1,210	107	96	154	378	DB09 500
1 x 25	20,4	0,780	141	124	240	573	DB10 500
1 x 35	22,6	0,554	176	150	336	730	DB10 500
1 x 50	26,8	0,386	216	186	480	1009	DB12 500
1 x 70	30,8	0,272	279	229	672	1359	DB14 500
1 x 95	36,2	0,206	342	270	912	1792	DB16 500
1 x 120	40,2	0,161	400	312	1152	2231	DB16 500
1 x 150	45,5	0,129	464	356	1440	2802	DB16 500
2 x 1,5	10,0	13,3	26	28	29	137	KOT 100, SP50 500
2 x 2,5	10,9	7,98	36	37	48	172	KOT 100, SP50 500
2 x 4	11,9	4,95	49	48	77	219	KOT 100, SP60 500
2 x 6	13,0	3,30	63	60	115	277	KOT 100, SP60 500
2 x 10	14,8	1,91	86	80	192	396	DB08 500
3 x 1,5	10,5	13,3	23	23	43	160	KOT 100, SP50 500
3 x 2,5	11,5	7,98	32	30	72	204	KOT 100, SP60 500
3 x 4	12,5	4,95	42	39	115	266	KOT 100, SP60 500
3 x 6	13,7	3,30	54	50	173	344	KOT 100, SP70 500
3 x 10	15,6	1,91	75	67	288	502	DB09 500
3 x 16	18,3	1,21	100	88	461	766	DB09 500
3 x 25	22,5	0,780	127	113	720	1143	DB10 500
3 x 35	24,9	0,554	158	139	1008	1502	DB12 500
4 x 1,5	11,2	13,3	23	23	58	184	KOT 100, SP50 500
4 x 2,5	12,3	7,98	32	30	96	239	KOT 100, SP60 500
4 x 4	13,5	4,95	42	39	154	316	KOT 100, SP70 500
4 x 6	15,1	3,30	54	50	230	422	KOT 100, DB08 500
4 x 10	17,0	1,91	75	67	384	612	DB09 500
4 x 16	20,0	1,21	100	88	614	905	DB10 500
4 x 25	24,7	0,780	127	113	960	1345	DB12 500
5 x 1,5	12,1	13,3	23	23	72	221	KOT 100, SP60 500
5 x 2,5	13,3	7,98	32	30	120	290	KOT 100, SP60 500
5 x 4	14,8	4,95	42	39	192	396	KOT 100, SP75 500
5 x 6	16,3	3,30	54	50	288	519	KOT 100, DB09 500
5 x 10	18,7	1,91	75	67	480	771	DB09 500
5 x 16	21,8	1,21	100	88	768	1130	DB10 500
7 x 1,5	13,3	13,3	13	19	101	283	KOT 100, SP60 500
7 x 2,5	14,9	7,98	18	24	168	383	KOT 100, SP75 500
10 x 1,5	16,4	13,3	13	19	144	382	DB09 500
10 x 2,5	18,4	7,98	18	24	240	519	DB09 500
12 x 1,5	16,9	13,3	11	15	173	421	DB09 500
12 x 2,5	19,0	7,98	14	20	288	577	DB10 500
16 x 1,5	18,7	13,3	11	15	230	511	DB09 500
16 x 2,5	20,8	7,98	14	20	384	694	DB10 500
19 x 1,5	19,5	13,3	9	13	274	586	DB10 500
19 x 2,5	21,8	7,98	12	16	456	802	DB10 500

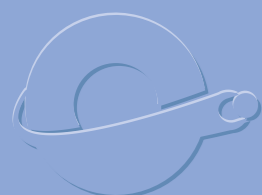


PRIMJENA / APPLICATION

Kabel pogodan za elektroenergetski sustav u građevinama gdje je potrebno ograničiti širenje vatre i emisija dima. Za fiksno ožičenje u zatvorenom i na otvorenom, za izravno i neizravno podzemno ožičenje. Pogodan za ugradnju na otvorenom, na zidove, metalne konstrukcije, nosače kabela, cijevi, nosače ožičenja i slične uređaje. Prikladan za snopove instalacija u okruženjima u kojima postoji opasnost od požara.

...

Cable suitable for electrical power system in constructions and other civil engineering works in order to limit fire spread and smoke emission. For fixed wiring indoors and outdoors, for direct and indirect underground wiring. Suitable for installation at open air, on walls, metal structures, cable trays, pipes, wiring holders and similar devices. Suitable for bundle installations in environments at risk of fire.



G16 gumom izoliran i PVC-om oplašten fleksibilni energetski kabel sa smanjenom emisijom korozivnih plinova
G16 rubber insulated and PVC sheathed flexible power cable with reduced emission of corrosive gases

CEI-UNEL 35318 • CEI-UNEL 20-13



KONSTRUKCIJA / CONSTRUCTION

Vodič:

Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228

Izolacija:

HEPR guma, tip G16 prema CEI 20-11/0-1;V1

Ispuna:

termoplastična mješavina

Plašt:

PVC mješavina, tip R16 prema CEI 20-11/0-1;V1

...

Conductor:

copper conductor, fine-wire stranded, class 5 acc. to EN 60228

Insulation:

HEPR compound, type G16 acc. to CEI 20-11/0-1;V1

Filler:

thermoplastic compound

Sheath:

PVC compound, type R16 acc. to CEI 20-11/0-1;V1



TEHNIČKI PODACI / TECHNICAL DATA

Norme: CEI-UNEL 35318; CEI-UNEL 20-13

Nazivni napon: $U_0/U = 0,6/1$ kV

Ispitni napon: 4000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -5° C

Radna temperatura: -15° C do +90° C

Temperatura kratkog spoja max. 5s: 250° C

Test zapaljivosti: EN 50575, Tab. 1

Minimalni polumjer savijanja: $4x\emptyset$ kabela

...

Standards: CEI-UNEL 35318; CEI-UNEL 20-13

Nominal voltage: $U_0/U = 0,6/1$ kV

Test voltage: 4000 V

Temperature range:

Minimum temperature during installation: -5° C

Fixed installed: -15° C to +90° C

At short circuit of max. 5s: 250° C

Behaviour in fire: EN 50575, Tab. 1

Minimal inner bending radius: $4x\emptyset$ cable

...

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



G16 gumom izoliran i PVC-om oplašten fleksibilni energetski kabel sa smanjenom emisijom korozivnih plinova
G16 rubber insulated and PVC sheathed flexible power cable with reduced emission of corrosive gases

CEI-UNEL 35318 • CEI-UNEL 20-13

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Strujno opterećenje (u zraku)	Strujno opterećenje (u zemlji)	Cu broj	Težina kabela	Standardno pakiranje*
Construction	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	11,5	4,95	45	43	38	144	KOT 100, SP50 500
1 x 6	12,6	3,30	58	55	58	180	KOT 100, SP60 500
1 x 10	14,4	1,91	80	73	96	253	KOT 100, SP70 500
1 x 16	16,7	1,210	107	96	154	354	DB09 500
1 x 25	20,8	0,780	141	124	240	538	DB10 500
1 x 35	23,0	0,554	176	150	336	687	DB10 500
1 x 50	27,2	0,386	216	186	480	952	DB12 500
1 x 70	31,2	0,272	279	229	672	1283	DB14 500
1 x 95	36,6	0,206	342	270	912	1688	DB16 500
1 x 120	40,6	0,161	400	312	1152	2102	DB16 500
1 x 150	45,9	0,129	464	356	1440	2643	DB16 500
2 x 1,5	10,4	13,3	26	28	29	126	KOT 100, SP50 500
2 x 2,5	11,3	7,98	36	37	48	158	KOT 100, SP50 500
2 x 4	12,3	4,95	49	48	77	203	KOT 100, SP60 500
2 x 6	13,4	3,30	63	60	115	259	KOT 100, SP60 500
2 x 10	15,2	1,91	86	80	192	374	DB08 500
3 x 1,5	10,9	13,3	23	23	43	149	KOT 100, SP50 500
3 x 2,5	11,9	7,98	32	30	72	192	KOT 100, SP60 500
3 x 4	12,9	4,95	42	39	115	253	KOT 100, SP60 500
3 x 6	14,1	3,30	54	50	173	328	KOT 100, SP70 500
3 x 10	16,0	1,91	75	67	288	483	DB09 500
3 x 16	18,7	1,21	100	88	461	752	DB09 500
3 x 25	22,9	0,780	127	113	720	1131	DB10 500
3 x 35	25,3	0,554	158	139	1008	1489	DB12 500
4 x 1,5	11,6	13,3	23	23	58	174	KOT 100, SP50 500
4 x 2,5	12,7	7,98	32	30	96	228	KOT 100, SP60 500
4 x 4	13,9	4,95	42	39	154	304	KOT 100, SP70 500
4 x 6	15,5	3,30	54	50	230	406	KOT 100, DB08 500
4 x 10	17,4	1,91	75	67	384	594	DB09 500
4 x 16	20,4	1,21	100	88	614	880	DB10 500
4 x 25	25,1	0,780	127	113	960	1316	DB12 500
5 x 1,5	12,5	13,3	23	23	72	216	KOT 100, SP60 500
5 x 2,5	13,7	7,98	32	30	120	285	KOT 100, SP60 500
5 x 4	15,2	4,95	42	39	192	391	KOT 100, SP75 500
5 x 6	16,7	3,30	54	50	288	515	KOT 100, DB09 500
5 x 10	19,1	1,91	75	67	480	767	DB10 500
5 x 16	22,2	1,21	100	88	768	1128	DB10 500
7 x 1,5	13,3	13,3	13	19	101	259	KOT 100, SP60 500
7 x 2,5	14,9	7,98	18	24	168	355	KOT 100, SP75 500
10 x 1,5	16,4	13,3	13	19	144	353	DB09 500
10 x 2,5	18,4	7,98	18	24	240	485	DB09 500
12 x 1,5	16,9	13,3	11	15	173	395	DB09 500
12 x 2,5	19,0	7,98	14	20	288	547	DB10 500
16 x 1,5	18,7	13,3	11	15	230	487	DB09 500
16 x 2,5	20,8	7,98	14	20	384	669	DB10 500
19 x 1,5	19,5	13,3	9	13	274	563	DB10 500
19 x 2,5	21,8	7,98	12	16	456	778	DB10 500



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

XP C 32-321



KONSTRUKCIJA / CONSTRUCTION

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

Izolacija vodiča:
XLPE smjesa prema XP C 32-321

Ispuna:
elastomerna ili plastomerna mješavina

Plast:
PVC smjesa prema XP C 32-321

Conductor:
Cu, class 1 or 2 acc. to EN 60228

Insulation:
XLPE compound acc. to XP C 32-321

Filler:
extruded elastomer or plastomer compound

Sheath:
PVC compound acc. to XP C 32-321



TEHNIČKI PODACI / TECHNICAL DATA

Norme: XP C 32-321

Nazivni napon: $U_0/U = 0,6/1$ kV
Ispitni napon: 4000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: -5° C
Radna temperatura: -15° C do +90° C
Temperatura kratkog spoja max. 5s: 250° C

Test zapaljivosti: Kabel je samogasiv prema IEC 60332-1-2

Minimalni polumjer savijanja: 12xØ kabela za višežilni, 15xØ kabela višežilni za jednožilni

Standards: XP C 32-321

Nominal voltage: $U_0/U = 0,6/1$ kV
Test voltage: 4000 V

Temperature range:
Minimum temperature during installation: -5° C
Fixed installed: -15° C to +90° C
At short circuit of max. 5s: 250° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to IEC 60332-1-2

Minimal inner bending radius: 12xØ multi core, 15xØ single core



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

XP C 32-321

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA						
Nazivni presjek Construction	Izvedba vodiča Shape of the conductor	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	
2 x 1,5	RE	8,32	12,1	30	110	KOT 100, SP40 500
2 x 2,5	RE	9,08	7,41	50	140	KOT 100, SP45 500
2 x 4	RE	10,10	4,61	80	190	KOT 100, SP50 500
2 x 6	RM	11,54	3,08	120	260	KOT 100, SP60 500
2 x 10	RM	13,34	1,83	200	370	SP70 500
2 x 16	RM	15,44	1,15	320	505	DB08 500
2 x 25	RM	20,40	0,727	500	860	DB10 500
2 x 35	RM	22,40	0,524	700	1095	DB10 500
3 x 1,5	RE	8,74	12,1	45	125	KOT 100, SP45 500
3 x 2,5	RE	9,56	7,41	75	165	KOT 100, SP45 500
3 x 4	RE	10,65	4,61	120	220	KOT 100, SP50 500
3 x 6	RM	12,20	3,08	180	310	KOT 100, SP60 500
3 x 10	RM	14,13	1,83	300	455	SP75 500
3 x 16	RM	16,39	1,15	480	665	DB09 500
3 x 25	RM	20,56	0,727	750	1065	DB10 500
3 x 35	RM	22,71	0,524	1050	1370	DB10 500
4 x 1,5	RE	9,45	12,1	60	150	KOT 100, SP45 500
4 x 2,5	RE	10,37	7,41	100	195	KOT 100, SP50 500
4 x 4	RE	11,58	4,61	160	270	KOT 100, SP60 500
4 x 6	RM	13,32	3,08	240	380	KOT 100, SP70 500
4 x 10	RM	15,45	1,83	400	560	DB08 500
4 x 16	RM	17,99	1,15	640	825	DB09 500
4 x 25	RM	22,61	0,727	1000	1315	DB10 500
5 x 1,5	RE	10,24	12,1	75	175	KOT 100, SP50 500
5 x 2,5	RE	11,26	7,41	125	235	KOT 100, SP60 500
5 x 4	RE	12,61	4,61	200	325	KOT 100, SP60 500
5 x 6	RM	14,55	3,08	300	460	KOT 100, SP70 500
5 x 10	RM	16,91	1,83	500	680	DB09 500
5 x 16	RM	19,75	1,15	800	1005	DB10 500
7 x 1,5	RE	11,06	12,1	105	215	KOT 100, SP60 500
7 x 2,5	RE	12,20	7,41	175	295	KOT 100, SP60 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



PRIMJENA / APPLICATION

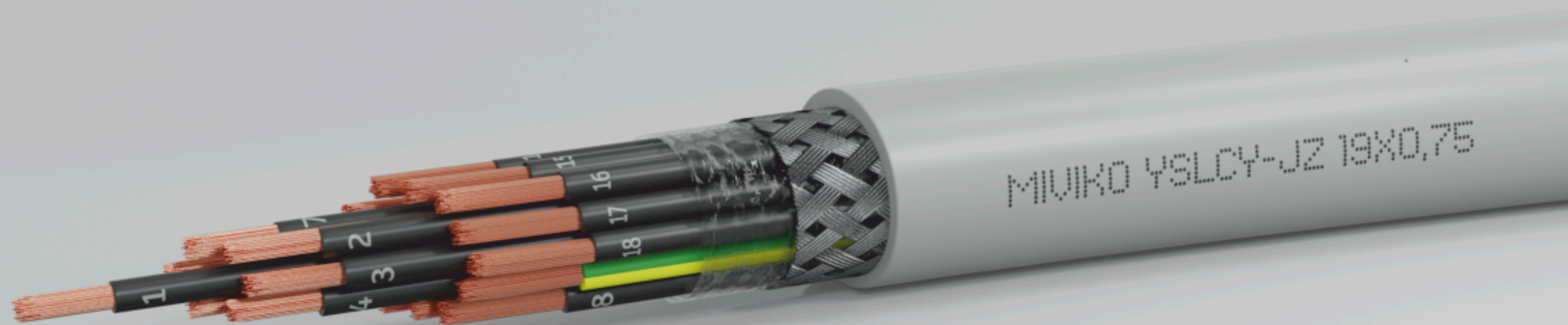
Ovi se kabeli mogu koristiti za distribuciju niskonaponske električne energije, priključke u industrijskim objektima, unutar ili izvan zgrada, posebno prikladnih u slučajevima visokih radnih temperatura i kada je potreban otpor sunčevom zračenju i atmosferskim agensima (UV otpor). Preporučuje se za industrijske priključke, servisne priključke, unutarnju distribuciju i vanjske priključke. Može se koristiti u podzemnim mrežama i trajnim instalacijama.

These cables can be used for distribution of low voltage electricity, connections in industrial facilities, inside or outside buildings particularly suited in cases of high operating temperatures and when is required resistance to solar radiation and atmospheric agents (UV resistance). Recommended for industrial connections, service connections, internal distribution and outdoor connections. It can be used in underground networks and permanent installations.





PVC-OM IZOLIRANI I OPLAŠTENI SIGNALNI KABEli
PVC INSULATED AND SHEATHED CONTROL CABLES





PVC-om izoliran i oplašten signalni kabel PVC insulated and sheathed control cable



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: PVC smjesa T12 prema EN 50363-3
Plašt: PVC smjesa TM2 prema EN 50363-4-1

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228
Insulation: PVC compound T12 acc. to EN 50363-3
Sheath: PVC compound TM2, acc. to EN 50363-4-1



TEHNIČKI PODACI / TECHNICAL DATA

Vrsta kabela:
YSLY-JZ crne numerirane žile, sa žuto-zelenom
YSLY-OZ crne numerirane žile, bez žuto-zelene
YSLY-JB žile u boji, sa žuto-zelenom
YSLY-OB žile u boji, bez žuto-zelene

Nazivni napon: U₀/U = 300/500 V
Ispitni napon: 2000 V

Granični temperaturni uvjeti:
 Minimalna temperatura polaganja: -5° C
 Radna temperatura: -20° C do +70° C
 Temperatura kratkog spoja max. 5s: 150° C

Test zapaljivosti:
 kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja:
 fiksno položen 4xØ kabela,
 pri savijanju 7,5xØ kabela

Cable type:
YSLY-JZ numbered black cores, with yellow/green
YSLY-OZ numbered black cores, without yellow/green
YSLY-JB cores in different colours, with yellow/green
YSLY-OB cores in different colours, without yellow/green

Nominal voltage: U₀/U = 300/500 V
Test voltage: 2000 V

Temperature range:
 Minimum temperature during installation: -5° C
 Fixed installed: -20° C to +70° C
 At short circuit of max. 5s: 150° C

Behaviour in fire:
 Flame retardant (self-extinguishing)
 cable acc. to EN 60332-1-2

Minimal inner bending radius:
 fixed installation 4xØ cable,
 occasional flexing 7,5xØ cable

Moguća boja plašta / Sheath colour identification

● (gy) siva / grey

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA					
Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,5	4,8	39,0	10	34	KOT 100, SP40 500
2 x 0,75	5,4	26,0	14	43	KOT 100, SP40 500
2 x 1	5,7	19,5	19	51	KOT 100, SP40 500
2 x 1,5	6,2	13,3	29	64	KOT 100, SP40 500
2 x 2,5	7,7	7,98	48	101	KOT 100, SP40 500
3 x 0,5	5,1	39,0	14	40	KOT 100, SP40 500
3 x 0,75	5,7	26,0	22	52	KOT 100, SP40 500
3 x 1	6,1	19,5	29	62	KOT 100, SP40 500
3 x 1,5	6,8	13,3	43	82	KOT 100, SP40 500
3 x 2,5	8,4	7,98	72	128	KOT 100, SP40 500
3 x 4	9,7	4,95	115	185	KOT 100, SP45 500
3 x 6	11,5	3,30	173	266	KOT 100, SP60 500
3 x 10	14,0	1,91	288	428	DB08 500
3 x 16	17,3	1,21	461	682	DB09 500
4 x 0,5	5,7	39,0	19	51	KOT 100, SP40 500
4 x 0,75	6,1	26,0	29	62	KOT 100, SP40 500
4 x 1	6,6	19,5	38	75	KOT 100, SP40 500



PVC-om izoliran i oplašten signalni kabel PVC insulated and sheathed control cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
4 x 1,5	7,4	13,3	58	100	KOT 100, SP40 500
4 x 2,5	9,2	7,98	96	158	KOT 100, SP45 500
4 x 4	10,6	4,95	154	231	KOT 100, SP50 500
4 x 6	12,6	3,30	230	333	KOT 100, SP60 500
4 x 10	15,4	1,91	384	540	DB08 500
4 x 16	19,4	1,21	614	867	DB10 500
4 x 25	24,0	0,78	960	1326	DB12 500
5 x 0,5	6,2	39,0	24	61	KOT 100, SP40 500
5 x 0,75	6,9	26,0	36	79	KOT 100, SP40 500
5 x 1	7,4	19,5	48	95	KOT 100, SP40 500
5 x 1,5	8,3	13,3	72	125	KOT 100, SP40 500
5 x 2,5	10,2	7,98	120	198	KOT 100, SP50 500
5 x 4	11,8	4,95	192	287	KOT 100, SP60 500
5 x 6	14,2	3,30	288	419	KOT 100, SP70 500
5 x 10	16,9	1,91	480	661	DB09 500
5 x 16	21,8	1,21	768	1086	DB10 500
7 x 0,5	6,9	39,0	34	78	KOT 100, SP40 500
7 x 0,75	7,4	26,0	50	97	KOT 100, SP40 500
7 x 1	8,2	19,5	67	122	KOT 100, SP40 500
7 x 1,5	9,1	13,3	101	161	KOT 100, SP45 500
7 x 2,5	11,7	7,98	168	266	KOT 100, SP60 500
10 x 0,5	8,2	39,0	48	101	KOT 100, SP40 500
10 x 0,75	8,9	26,0	72	129	KOT 100, SP45 500
10 x 1	9,6	19,5	96	158	KOT 100, SP45 500
10 x 1,5	10,8	13,3	144	212	KOT 100, SP50 500
10 x 2,5	13,6	7,98	240	343	KOT 100, SP70 500
12 x 0,5	8,5	39,0	58	114	KOT 100, SP45 500
12 x 0,75	9,2	26,0	86	146	KOT 100, SP45 500
12 x 1	10,2	19,5	115	185	KOT 100, SP50 500
12 x 1,5	11,2	13,3	173	243	KOT 100, SP60 500
12 x 2,5	14,1	7,98	288	393	SP70 500
14 x 0,5	9,5	39,0	67	142	KOT 100, SP45 500
14 x 0,75	10,5	26,0	101	184	KOT 100, SP50 500
14 x 1	11,7	19,5	134	236	KOT 100, SP60 500
14 x 1,5	13,2	13,3	202	317	KOT 100, SP60 500
14 x 2,5	14,5	7,98	336	435	DB08 500
16 x 0,5	9,6	39,0	77	149	KOT 100, SP45 500
16 x 0,75	10,4	26,0	115	190	KOT 100, SP50 500
16 x 1	11,3	19,5	154	235	KOT 100, SP60 500
16 x 1,5	12,9	13,3	230	322	KOT 100, SP60 500
16 x 2,5	16,1	7,98	384	519	DB09 500
18 x 0,5	10,9	39,0	86	184	KOT 100, SP50 500
18 x 0,75	12,1	26,0	130	243	KOT 100, SP60 500
18 x 1	13,7	19,5	173	314	KOT 100, SP70 500
18 x 1,5	15,5	13,3	259	424	SP75 500
18 x 2,5	16,4	7,98	432	553	DB09 500

* 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



PRIMJENA / APPLICATION

Fleksibilni signalni kabel koji se upotrebljava za nadzor i upravljanje statičnih ili mobilnih uređaja, u industriji, električnim postrojenjima ili uredima. Lagan je, otporan je na srednja mehanička opterećenja, upotrebljava se za fiksne ili ograničeno pomične instalacije (ne stalno pomične) bez naprezanja. Instalira se unutar suhih ili vlažnih prostorija, a vani samo uz zaštitu od ultraljubičastog zračenja. Nije za polaganje u zemlju ili pod vodu.

In dry and damp locations for low and medium-level mechanical stress, but not in the open-air. To be used as a termination and connection cable in the control, measuring and signal technology. Suitable as a signal and impulse cable for control and inspection of industrial plants, production lines and machinery.





PVC-om izoliran i oplašten signalni kabel 0,6/1 kV
PVC insulated and sheathed control cable 0,6/1 kV



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: PVC smjesa T12 prema EN 50363-3
Plašt: PVC smjesa TM2 prema EN 50363-4-1

•••

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228
Insulation: PVC compound T12 acc. to EN 50363-3
Sheath: PVC compound TM2 acc. to EN 50363-4-1



TEHNIČKI PODACI / TECHNICAL DATA

Vrsta kabela:
YSLY-JZ crne numerirane žile, sa žuto-zelenom
YSLY-OZ crne numerirane žile, bez žuto-zelene
YSLY-JB žile u boji, sa žuto-zelenom
YSLY-OB žile u boji, bez žuto-zelene

Nazivni napon: U₀/U = 600/1000 V
Ispitni napon: 4000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: -5° C
Radna temperatura: -15° C do +70° C
Temperatura kratkog spoja max. 5s: 150° C

Test zapaljivosti:
Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja:
fiksno položen 4xØ kabela,
pri savijanju 7,5xØ kabela

•••

Moguća boja plašta / Sheath colour identification
● crna (bk) RAL 9005 / black (bk) RAL 9005

Cable type:
YSLY-JZ numbered black cores, with yellow/green
YSLY-OZ numbered black cores, without yellow/green
YSLY-JB cores in different colours, with yellow/green
YSLY-OB cores in different colours, without yellow/green

Nominal voltage: U₀/U = 600/1000 V
Test voltage: 4000 V

Temperature range:
Minimum temperature during installation: -5° C
Fixed installed: -15° C to +70° C
At short circuit of max. 5s: 150° C

Behaviour in fire:
flame retardant (self-extinguishing)
cable acc. to EN 60332-1-2

Minimal inner bending radius:
fixed installation 4xØ cable,
occasional flexing 7,5xØ cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,75	6,4	26,0	14	59	KOT 100, SP40 500
2 x 1	6,7	19,5	19	67	KOT 100, SP40 500
2 x 1,5	7,8	13,3	29	91	KOT 100, SP40 500
2 x 2,5	9,3	7,98	48	134	KOT 100, SP45 500
3 x 0,5	6,6	39,0	14	61	KOT 100, SP40 500
3 x 0,75	7,0	26,0	22	72	KOT 100, SP40 500
3 x 1	7,3	19,5	29	82	KOT 100, SP40 500
3 x 1,5	8,5	13,3	43	113	KOT 100, SP45 500
3 x 2,5	10,1	7,98	72	166	KOT 100, SP50 500
3 x 4	11,4	4,95	115	229	KOT 100, SP60 500
3 x 6	12,8	3,30	173	307	KOT 100, SP60 500
3 x 10	15,9	1,91	288	501	DB09 500
3 x 16	19,2	1,21	461	793	DB10 500
4 x 0,5	7,1	39,0	19	72	KOT 100, SP40 500
4 x 0,75	7,6	26,0	29	86	KOT 100, SP40 500
4 x 1	8,2	19,5	38	103	KOT 100, SP40 500
4 x 1,5	9,4	13,3	58	141	KOT 100, SP45 500
4 x 2,5	11,2	7,98	96	207	KOT 100, SP60 500
4 x 4	12,6	4,95	154	289	KOT 100, SP60 500
4 x 6	14,1	3,30	230	390	KOT 100, SP70 500
4 x 10	17,6	1,91	384	636	DB09 500



PVC-om izoliran i oplašten signalni kabel 0,6/1 kV
PVC insulated and sheathed control cable 0,6/1 kV

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
4 x 16	21,4	1,21	614	1003	DB10 500
4 x 25	26,7	0,780	960	1516	DB12 500
5 x 0,5	7,9	39,0	24	90	KOT 100, DB06 500
5 x 0,75	8,4	26,0	36	108	KOT 100, SP45 500
5 x 1	9,1	19,5	48	128	KOT 100, SP45 500
5 x 1,5	10,5	13,3	72	175	KOT 100, SP50 500
5 x 2,5	12,4	7,98	120	258	KOT 100, SP60 500
5 x 4	14,0	4,95	192	356	KOT 100, SP70 500
5 x 6	15,7	3,30	288	480	KOT 100, DB09 500
5 x 10	19,5	1,91	480	783	DB10 500
5 x 16	24,0	1,21	768	1251	DB12 500
6 x 0,5	8,5	39,0	29	105	KOT 100, SP45 500
6 x 0,75	9,3	26,0	43	131	KOT 100, SP45 500
6 x 1	9,8	19,5	58	151	KOT 100, SP50 500
6 x 1,5	11,3	13,3	86	206	KOT 100, SP60 500
6 x 2,5	13,7	7,98	144	312	KOT 100, SP70 500
7 x 0,5	8,5	39,0	34	109	KOT 100, SP45 500
7 x 0,75	9,3	26,0	50	136	KOT 100, SP45 500
7 x 1	9,8	19,5	67	157	KOT 100, SP50 500
7 x 1,5	11,3	13,3	101	216	KOT 100, SP60 500
7 x 2,5	13,7	7,98	168	328	KOT 100, SP70 500
7 x 4	15,4	4,95	269	456	DB08 500
7 x 6	17,4	3,30	403	626	DB09 500
7 x 10	21,6	1,91	672	1020	DB10 500
8 x 0,5	9,4	39,0	38	126	KOT 100, SP45 500
8 x 0,75	10,2	26,0	58	156	KOT 100, SP50 500
8 x 1	10,7	19,5	77	181	KOT 100, SP50 500
8 x 1,5	12,2	13,3	115	242	KOT 100, SP60 500
8 x 2,5	14,8	7,98	192	368	SP75 500
10 x 0,5	11,0	39,0	48	162	KOT 100, SP50 500
10 x 0,75	11,8	26,0	72	196	KOT 100, SP60 500
10 x 1	12,4	19,5	96	227	KOT 100, SP60 500
10 x 1,5	14,4	13,3	144	312	SP70 500
10 x 2,5	17,2	7,98	240	464	DB09 500
12 x 0,5	11,4	39,0	58	180	SP60 500
12 x 0,75	12,2	26,0	86	219	SP60 500
12 x 1	13,0	19,5	115	261	SP60 500
12 x 1,5	14,9	13,3	173	351	SP75 500
12 x 2,5	17,8	7,98	288	525	DB09 500
14 x 0,5	11,9	39,0	67	201	SP60 500
14 x 0,75	12,8	26,0	101	245	SP60 500
14 x 1	13,7	19,5	134	292	SP70 500
14 x 1,5	15,6	13,3	202	396	SP75 500
14 x 2,5	18,7	7,98	336	594	DB09 500
16 x 0,5	12,5	39,0	77	223	SP60 500
16 x 0,75	13,6	26,0	115	278	SP70 500
16 x 1	14,4	19,5	154	325	SP70 500
16 x 1,5	16,7	13,3	230	449	DB09 500
16 x 2,5	19,9	7,98	384	674	DB10 500
18 x 0,5	13,3	39,0	86	251	SP70 500
18 x 0,75	14,3	26,0	130	306	SP70 500
18 x 1	15,1	19,5	173	358	SP75 500
18 x 1,5	17,5	13,3	259	495	DB09 500
18 x 2,5	21,0	7,98	432	745	DB10 500



PRIMJENA / APPLICATION

Fleksibilni energetska, upravljački i mjerni kabel za primjenu u industrijskim pogonima i radionicama. Prikladan je za fiksne instalacije ili ograničenu fleksibilnu primjenu, bez vlačnog naprezanja, u suhim i vlažnim prostorima te na otvorenom. Nije pogodan za polaganje u vodu i zemlju.

Flexible power, control and measurement cable for use in industrial plants and workshops. Suitable for fixed or limited flexible applications, without tensile strains, in dry and damp areas, as well as outdoors. Not suitable for laying in water or in the ground.





PVC-om izoliran i oplašten signalni kabel s Cu opletom PVC insulated and sheathed screened control cable



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: PVC mješavina, tip T12, prema EN 50363-3
Separator: poliester traka
Zaslon: oplet od pokositrenih bakrenih žica
Plašt: PVC mješavina, tip TM2, prema EN 50363-4-1

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228
Insulation: PVC compound, type T12, acc. to EN 50363-3
Separator: polyester foil
Screen: braid of tinned copper wires
Sheath: PVC compound, type TM2, acc. to EN 50363-4-1



TEHNIČKI PODACI / TECHNICAL DATA

Vrsta kabela:
YSLCY-JZ crne numerirane žile, sa žuto-zelenom
YSLCY-OZ crne numerirane žile, bez žuto-zelene
YSLCY-JB žile u boji, sa žuto-zelenom
YSLCY-OB žile u boji, bez žuto-zelene

Nazivni napon: U₀/U = 300/500 V
Ispitni napon: 2000 V

Granični temperaturni uvjeti:
 Minimalna temperatura polaganja: -5° C
 Radna temperatura: -20° C do +70° C
 Temperatura kratkog spoja max. 5s: 150° C

Test zapaljivosti:
 Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja:
 fiksno položen 6xØ kabela,
 pri savijanju 15xØ kabela

Cable type:
YSLCY-JZ numbered black cores, with yellow/green
YSLCY-OZ numbered black cores, without yellow/green
YSLCY-JB cores in different colours, with yellow/green
YSLCY-OB cores in different colours, without yellow/green

Nominal voltage: U₀/U = 300/500 V
Test voltage: 2000 V

Temperature range:
 Minimum temperature during installation: -5° C
 Fixed installed: -20° C to +70° C
 At short circuit of max. 5s: 150° C

Behaviour in fire: Flame retardant (self-extinguishing)
 cable acc. to EN 60332-1-2

Minimal inner bending radius:
 fixed installation 6xØ cable,
 occasional flexing 15xØ cable

Moguća boja plašta / Sheath colour identification

- siva (gy) RAL 7001

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,5	5,6	39,0	33	43	KOT 100, SP40 500
2 x 0,75	5,9	26,0	40	52	KOT 100, SP40 500
2 x 1	6,5	19,5	47	62	KOT 100, SP40 500
2 x 1,5	7,0	13,3	60	77	KOT 100, SP40 500
2 x 2,5	8,5	7,98	87	116	KOT 100, SP40 500
3 x 0,5	5,8	39,0	40	51	KOT 100, SP40 500
3 x 0,75	6,2	26,0	49	60	KOT 100, SP40 500
3 x 1	6,8	19,5	59	74	KOT 100, SP40 500
3 x 1,5	7,3	13,3	76	92	KOT 100, SP40 500
3 x 2,5	8,9	7,98	113	141	KOT 100, SP45 500
3 x 4	10,2	4,95	163	200	KOT 100, SP50 500
3 x 6	12,0	3,30	231	283	KOT 100, SP60 500



PVC-om izoliran i oplašten signalni kabel s Cu opletom PVC insulated and sheathed screened control cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
3 x 10	14,8	1,91	395	459	SP75 500
3 x 16	17,6	1,21	590	673	DB09 500
4 x 0,5	6,5	39,0	47	62	KOT 100, SP40 500
4 x 0,75	6,9	26,0	59	75	KOT 100, SP40 500
4 x 1	7,3	19,5	72	89	KOT 100, SP40 500
4 x 1,5	8,1	13,3	94	115	KOT 100, SP40 500
4 x 2,5	9,9	7,98	142	177	KOT 100, SP45 500
4 x 4	11,3	4,95	207	254	KOT 100, SP50 500
4 x 6	13,3	3,30	295	359	KOT 100, SP60 500
4 x 10	16,3	1,91	503	584	DB09 500
4 x 16	19,7	1,21	759	859	DB10 500
4 x 25	24,7	0,78	1205	1332	DB12 500
5 x 0,5	7,0	39,0	55	75	KOT 100, SP40 500
5 x 0,75	7,4	26,0	70	90	KOT 100, SP40 500
5 x 1	8,2	19,5	85	111	KOT 100, SP40 500
5 x 1,5	8,8	13,3	113	139	KOT 100, SP45 500
5 x 2,5	11,0	7,98	172	219	KOT 100, SP50 500
5 x 4	12,5	4,95	252	313	KOT 100, SP60 500
5 x 6	15,0	3,30	397	453	KOT 100, SP70 500
5 x 10	18,3	1,91	613	727	DB09 500
5 x 16	22,0	1,21	984	1074	DB10 500
7 x 0,5	7,6	39,0	68	90	KOT 100, SP40 500
7 x 0,75	8,2	26,0	88	114	KOT 100, SP40 500
7 x 1	8,8	19,5	108	136	KOT 100, SP40 500
7 x 1,5	9,8	13,3	146	178	KOT 100, SP45 500
7 x 2,5	11,9	7,98	225	274	KOT 100, SP60 500
7 x 4	13,8	4,95	335	402	KOT 100, SP70 500
12 x 0,5	10,0	39,0	105	149	KOT 100, SP45 500
12 x 0,75	10,9	26,0	137	188	KOT 100, SP50 500
12 x 1	11,7	19,5	171	225	KOT 100, SP60 500
12 x 1,5	12,9	13,3	235	292	KOT 100, SP60 500
12 x 2,5	16,2	7,98	406	474	SP75 500
18 x 0,5	11,8	39,0	143	208	KOT 100, SP60 500
18 x 0,75	12,8	26,0	191	262	KOT 100, SP60 500
18 x 1	13,9	19,5	240	323	KOT 100, SP70 500
18 x 1,5	15,6	13,3	371	431	SP75 500
18 x 2,5	19,2	7,98	574	678	DB09 500

* 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

KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: PVC mješavina, tip T12, prema EN 50363-3
Unutarnji plašt: PVC mješavina
Zaslon: oplem od pokositrenih bakrenih žica
Plašt: PVC mješavina, tip TM2, prema EN 50363-4-1

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228
Insulation: PVC compound, type T12, acc. to EN 50363-3
Inner sheath: PVC compound
Screen: braid of tinned copper wires
Sheath: PVC compound, type TM2, acc. to EN 50363-4-1

TEHNIČKI PODACI / TECHNICAL DATA

Vrsta kabela:
YSLYCY-JZ crne numerirane žile, sa žuto-zelenom
YSLYCY-OZ crne numerirane žile, bez žuto-zelene
YSLYCY-JB žile u boji, sa žuto-zelenom
YSLYCY-OB žile u boji, bez žuto-zelene

Cable type:
YSLYCY-JZ numbered black cores, with yellow/green
YSLYCY-OZ numbered black cores, without yellow/green
YSLYCY-JB cores in different colours, with yellow/green
YSLYCY-OB cores in different colours, without yellow/green

Nazivni napon: U₀/U = 300/500 V
Ispitni napon: 2000 V

Nominal voltage: U₀/U = 300/500 V
Test voltage: 2000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: -5° C
Radna temperatura: 20° C do +70° C
Temperatura kratkog spoja max. 5s: 150° C

Temperature range:
Minimum temperature during installation: -5° C
Fixed installed: -20° C to +70° C
At short circuit of max. 5s: 150° C

Test zapaljivosti:
Kabel je samogasiv prema EN 60332-1-2

Behaviour in fire:
Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimalni polumjer savijanja:
fiksno položen 6xØ kabela,
pri savijanju 15xØ kabela

Minimal inner bending radius:
fixed installation 6xØ cable,
occasional flexing 15xØ cable

Moguća boja plašta / Sheath colour identification

● ○ siva (gy) RAL 7001 / prozirna / grey (gy) RAL 7001 / transparent

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA					
Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,5	6,6	39,0	39	65	KOT 100, SP40 500
2 x 0,75	7,0	26,0	45	75	KOT 100, SP40 500
2 x 1	7,5	19,5	54	90	KOT 100, SP40 500
2 x 1,5	8,2	13,3	66	109	KOT 100, SP40 500
2 x 2,5	10,5	7,98	98	182	KOT 100, SP50 500
3 x 0,5	6,9	39,0	45	73	KOT 100, SP40 500
3 x 0,75	7,5	26,0	55	88	KOT 100, SP40 500
3 x 1	8,1	19,5	65	105	KOT 100, SP40 500
3 x 1,5	9,0	13,3	85	136	KOT 100, SP45 500
3 x 2,5	11,2	7,98	125	214	KOT 100, SP50 500
3 x 4	12,5	4,95	175	284	KOT 100, SP60 500
3 x 6	14,9	3,30	281	409	SP70 500



PRIMJENA / APPLICATION

Fleksibilni signalni i upravljački kabel koji se koristi za statične ili mobilne uređaje u industriji i električnim postrojenjima, gdje se zahtijeva dodatna zaštita od utjecaja vanjskih elektromagnetskih polja. Pogodan za uporabu u suhim i vlažnim zatvorenim prostorima, pri srednjim mehaničkim opterećenjima.

Flexible signal and control cable used for static or mobile devices in industrial plants and other environments where improved protection against electromagnetic interference is required. It is suitable for use in dry and damp environments where medium mechanical loads are expected.



KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA					
Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
3 x 10	17,5	1,91	416	602	DB07 500
3 x 16	21,3	1,21	669	909	DB10 500
4 x 0,5	7,6	39,0	54	88	KOT 100, SP40 500
4 x 0,75	8,2	26,0	66	106	KOT 100, SP40 500
4 x 1	9,0	19,5	81	132	KOT 100, SP45 500
4 x 1,5	9,8	13,3	103	163	KOT 100, SP45 500
4 x 2,5	12,0	7,98	154	249	KOT 100, SP60 500
4 x 4	14,0	4,95	221	361	KOT 100, SP70 500
4 x 6	16,2	3,30	349	498	DB06 500
4 x 10	19,0	1,91	524	739	DB09 500
4 x 16	23,2	1,21	843	1106	DB10 500
5 x 0,5	8,3	39,0	62	105	KOT 100, SP40 500
5 x 0,75	9,3	26,0	79	137	KOT 100, SP45 500
5 x 1	9,9	19,5	94	159	KOT 100, SP45 500
5 x 1,5	11,1	13,3	124	209	KOT 100, SP50 500
5 x 2,5	13,7	7,98	185	321	KOT 100, SP60 500
5 x 4	15,4	4,95	303	438	SP75 500
5 x 6	17,7	3,30	417	591	DB07 500
5 x 10	21,8	1,91	694	951	DB10 500
5 x 16	25,7	1,21	1148	1360	DB12 500
7 x 0,5	9,4	39,0	77	137	KOT 100, SP45 500
7 x 0,75	9,9	26,0	97	162	KOT 100, SP45 500
7 x 1	11,1	19,5	119	204	KOT 100, SP50 500
7 x 1,5	11,8	13,3	157	247	KOT 100, SP60 500
7 x 2,5	14,8	7,98	275	395	SP70 500
7 x 4	16,5	4,95	390	532	DB06 500
12 x 0,5	12,3	39,0	116	225	KOT 100, SP60 500
12 x 0,75	13,4	26,0	151	282	KOT 100, SP60 500
12 x 1	14,6	19,5	220	341	SP70 500
12 x 1,5	15,8	13,3	287	422	SP75 500
12 x 2,5	18,9	7,98	427	621	DB07 500
18 x 0,5	14,6	39,0	192	322	SP70 500
18 x 0,75	15,6	26,0	243	388	SP75 500
18 x 1	16,8	19,5	294	457	SP75 500
18 x 1,5	18,2	13,3	392	569	DB07 500
18 x 2,5	22,9	7,98	657	917	DB10 500

* Pakiranje: KOT 100 = KOT 100 = kolot 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



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: PVC mješavina, tip T12, prema EN 50363-3
Unutarnji plašt: PVC mješavina
Zaslon: oplet od pokositrenih bakrenih žica
Plašt: PVC mješavina, tip TM2, prema EN 50363-4-1

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228
Insulation: PVC compound, type T12, acc. to EN 50363-3
Inner sheath: PVC compound
Screen: braid of tinned copper wires
Sheath: PVC compound, type TM2, acc. to EN 50363-4-1

TEHNIČKI PODACI / TECHNICAL DATA

Vrsta kabela:
YSLYCY-JZ crne numerirane žile, sa žuto-zelenom
YSLYCY-OZ crne numerirane žile, bez žuto-zelene
YSLYCY-JB žile u boji, sa žuto-zelenom
YSLYCY-OB žile u boji, bez žuto-zelene

Cable type:
YSLYCY-JZ numbered black cores, with yellow/green
YSLYCY-OZ numbered black cores, without yellow/green
YSLYCY-JB cores in different colours, with yellow/green
YSLYCY-OB cores in different colours, without yellow/green

Nazivni napon: U₀/U = 600/1000 V
Ispitni napon: 4000 V

Nominal voltage: U₀/U = 600/1000 V
Test voltage: 4000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: -5° C
Radna temperatura: -20° C do +70° C
Temperatura kratkog spoja max. 5s: 150° C

Temperature range:
Minimum temperature during installation: -5° C
Fixed installed: -20° C to +70° C
At short circuit of max. 5s: 150° C

Test zapaljivosti:
Kabel je samogasiv prema EN 60332-1-2

Behaviour in fire:
Flame retardant (self-extinguishing)
cable acc. to EN 60332-1-2

Minimalni polumjer savijanja:
fiksno položen 6xØ kabela,
pri savijanju 15xØ kabela

Minimal inner bending radius:
fixed installation 6xØ cable,
occasional flexing 15xØ cable

Moguća boja plašta / Sheath colour identification

- crna (bk) RAL 9001 / black (bk) RAL 9001

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA					
Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,75	8,0	26,0	50	95	KOT 100, SP40 500
2 x 1	8,3	19,5	57	106	KOT 100, SP45 500
2 x 1,5	9,8	13,3	75	150	KOT 100, SP50 500
2 x 2,5	11,7	7,98	104	218	KOT 100, SP60 500
3 x 0,75	8,5	26,0	59	109	KOT 100, SP45 500
3 x 1	9,3	19,5	72	134	KOT 100, SP45 500
3 x 1,5	10,9	13,3	94	185	KOT 100, SP50 500
3 x 2,5	12,5	7,98	131	254	KOT 100, SP60 500
3 x 4	14,4	4,95	219	353	SP70 500
3 x 6	15,8	3,30	287	441	SP75 500

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
3 x 10	18,9	1,91	425	672	DB07 500
3 x 16	22,4	1,21	682	969	DB10 500
4 x 0,75	9,5	26,0	73	136	KOT 100, SP45 500
4 x 1	10,2	19,5	85	159	KOT 100, SP50 500
4 x 1,5	11,8	13,3	113	219	KOT 100, SP60 500
4 x 2,5	14,0	7,98	163	318	SP70 500
4 x 4	15,6	4,95	267	422	SP75 500
4 x 6	17,1	3,30	355	535	DB06 500
4 x 10	21,4	1,91	594	874	DB10 500
4 x 16	24,6	1,21	858	1196	DB12 500
5 x 0,75	10,7	26,0	86	175	KOT 100, SP50 500
5 x 1	11,5	19,5	101	203	KOT 100, SP60 500
5 x 1,5	12,9	13,3	132	261	KOT 100, SP60 500
5 x 2,5	15,4	7,98	231	388	SP75 500
5 x 4	17,0	4,95	315	503	DB06 500
5 x 6	18,7	3,30	425	640	DB07 500
5 x 10	23,3	1,91	710	1037	DB10 500
5 x 16	27,4	1,21	1173	1471	DB12 500
7 x 0,75	11,6	26,0	105	209	KOT 100, SP60 500
7 x 1	12,2	19,5	125	236	KOT 100, SP60 500
7 x 1,5	14,3	13,3	204	335	SP70 500
7 x 2,5	16,7	7,98	289	470	SP75 500
7 x 4	18,4	4,95	403	616	DB07 500
12 x 0,75	15,0	26,0	196	338	SP75 500
12 x 1	16,0	19,5	232	395	SP75 500
12 x 1,5	17,9	13,3	306	504	DB06 500
12 x 2,5	21,6	7,98	507	760	DB07 500
18 x 0,75	17,1	26,0	256	446	SP75 500
18 x 1	18,1	19,5	308	510	DB06 500
18 x 1,5	21,3	13,3	475	722	DB07 500
18 x 2,5	25,2	7,98	818	1045	DB12 500

* 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





PVC-om izoliran i oplašten signalni kabel s opletom od čeličnih žica
PVC insulated and sheathed control cable with steel wire braid



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: PVC mješavina, tip T12, prema EN 50363-3
Unutarnji plašt: PVC mješavina
Zaslon: oplet od pocinčanih čeličnih žica
Plašt: PVC mješavina, tip TM2, prema EN 50363-4-1

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228
Insulation: PVC compound, type T12, acc. to EN 50363-3
Inner sheath: PVC compound
Screen: galvanized steel wire braid
Sheath: PVC compound, type TM2, acc. to EN 50363-4-1



TEHNIČKI PODACI / TECHNICAL DATA

Vrsta kabela:
YSLYQY-JZ crne numerirane žile, sa žuto-zelenom
YSLYQY-OZ crne numerirane žile, bez žuto-zelene
YSLYQY-JB žile u boji, sa žuto-zelenom
YSLYQY-OB žile u boji, bez žuto-zelene

Cable type:
YSLYQY-JZ numbered black cores, with yellow/green
YSLYQY-OZ numbered black cores, without yellow/green
YSLYQY-JB cores in different colours, with yellow/green
YSLYQY-OB cores in different colours, without yellow/green

Nazivni napon: U₀/U = 300/500 V
Ispitni napon: 2000 V

Nominal voltage: U₀/U = 300/500 V
Test voltage: 2000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: -5° C
Radna temperatura: -20° C do +70° C
Temperatura kratkog spoja max. 5s: 150° C

Temperature range:
Minimum temperature during installation: -5° C
Fixed installed: -20° C to +70° C
At short circuit of max. 5s: 150° C

Test zapaljivosti:
Kabel je samogasiv prema EN 60332-1-2

Behaviour in fire:
Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimalni polumjer savijanja:
fiksno položen 6xØ kabela,
pri savijanju 15xØ kabela

Minimal inner bending radius:
fixed installation 6xØ cable,
occasional flexing 15xØ cable

Moguća boja plašta / Sheath colour identification

● ○ siva (gy) RAL 7001 / prozirna / grey (gy) RAL 7001 / transparent

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA					
Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,5	6,6	39,0	10	64	KOT 100, SP40 500
2 x 0,75	7,0	26,0	14	74	KOT 100, SP40 500
2 x 1	7,5	19,5	19	89	KOT 100, SP40 500
2 x 1,5	8,2	13,3	29	108	KOT 100, SP40 500
2 x 2,5	10,5	7,98	48	180	KOT 100, SP40 500
3 x 0,5	6,9	39,0	14	72	KOT 100, SP40 500
3 x 0,75	7,5	26,0	22	87	KOT 100, SP40 500
3 x 1	8,1	19,5	29	104	KOT 100, SP40 500
3 x 1,5	9,0	13,3	43	135	KOT 100, SP40 500
3 x 2,5	11,2	7,98	72	212	KOT 100, SP45 500
3 x 4	12,5	4,95	115	282	KOT 100, SP50 500
3 x 6	14,9	3,30	173	406	KOT 100, SP40 500



PVC-om izoliran i oplašten signalni kabel s opletom od čeličnih žica
PVC insulated and sheathed control cable with steel wire braid

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA					
Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
3 x 10	17,5	1,91	288	598	DB08 500
3 x 16	21,3	1,21	461	902	DB09 500
4 x 0,5	7,6	39,0	19	87	KOT 100, SP40 500
4 x 0,75	8,2	26,0	29	104	KOT 100, SP40 500
4 x 1	9,0	19,5	38	131	KOT 100, SP40 500
4 x 1,5	9,8	13,3	58	162	KOT 100, SP40 500
4 x 2,5	12,0	7,98	96	247	KOT 100, SP45 500
4 x 4	14,0	4,95	154	358	KOT 100, SP50 500
4 x 6	16,2	3,30	230	494	KOT 100, SP70 500
4 x 10	19,0	1,91	384	734	DB08 500
4 x 16	23,2	1,21	614	1099	DB10 500
5 x 0,5	8,3	39,0	24	104	DB10 500
5 x 0,75	9,3	26,0	36	136	KOT 100, SP40 500
5 x 1	9,9	19,5	48	157	KOT 100, SP40 500
5 x 1,5	11,1	13,3	72	207	KOT 100, SP40 500
5 x 2,5	13,7	7,98	120	319	KOT 100, SP40 500
5 x 4	15,4	4,95	192	435	KOT 100, SP50 500
5 x 6	17,7	3,30	288	587	KOT 100, SP60 500
5 x 10	21,8	1,91	480	944	KOT 100, DB06 500
5 x 16	25,7	1,21	768	1348	DB09 500
7 x 0,5	9,4	39,0	34	136	DB10 500
7 x 0,75	9,9	26,0	50	160	KOT 100, SP40 500
7 x 1	11,1	19,5	67	202	KOT 100, SP40 500
7 x 1,5	11,8	13,3	101	245	KOT 100, SP40 500
7 x 2,5	14,8	7,98	168	391	KOT 100, SP45 500
7 x 4	16,5	4,95	269	528	KOT 100, SP60 500
12 x 0,5	12,3	39,0	58	223	KOT 100, SP40 500
12 x 0,75	13,4	26,0	86	280	KOT 100, SP40 500
12 x 1	14,6	19,5	115	338	KOT 100, SP40 500
12 x 1,5	15,8	13,3	173	418	KOT 100, SP45 500
12 x 2,5	18,9	7,98	288	616	KOT 100, SP60 500
18 x 0,5	14,6	39,0	86	318	KOT 100, SP40 500
18 x 0,75	15,6	26,0	130	384	KOT 100, SP40 500
18 x 1	16,8	19,5	173	453	KOT 100, SP45 500
18 x 1,5	18,2	13,3	259	565	KOT 100, SP45 500
18 x 2,5	22,9	7,98	432	909	KOT 100, SP60 500

* 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



PRIMJENA / APPLICATION

Fleksibilni signalni, upravljački i spojni kabel s opletom od čeličnih žica koji se koristi u mjernim i upravljačkim sustavima, u proizvodnji strojeva ili pokretnoj primjeni bez većih vlačnih opterećenja. Pogodan za uporabu u suhim i vlažnim uvjetima, ali ne za vanjsku uporabu. Oplet od pocinčanih čeličnih žica štiti kabel od mehaničkih opterećenja, kao i od utjecaja vanjskih elektromagnetskih polja.

Steel wire-reinforced flexible signal, control and connecting cable for instrumentation and control equipment, for tooling machinery production lines and in flexible applications for free movement without tensile strains. Suitable for use in dry, moist and wet areas, but not outdoors. The galvanized steel wire braid serves as both protection against mechanical loads and electromagnetic interference.





PVC-om izoliran i oplašten kabel, uljno otporan
PVC insulated and sheathed cable, oil resistant

EN 50525-2-51



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: PVC mješavina, tip T12, prema EN 50363-3
Plast: PVC mješavina otporna na ulje, tip TM5, prema EN 50363-4-1

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228
Insulation: PVC compound, type T12, acc. to EN 50363-3
Sheath: PVC compound, oil resistant, type TM5, acc. to EN 50363-4-1



TEHNIČKI PODACI / TECHNICAL DATA

Norme: EN 50525-2-51

Nazivni napon: $U_0/U = 300/500$ V
Ispitni napon: 2000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: -5° C
Radna temperatura: -20° C do +70° C
Temperatura kratkog spoja max. 5s: 150° C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: fiksno položen 4xØ kabela, pri savijanju 7,5xØ kabela

Standards: HEN 50525-2-51

Nominal voltage: $U_0/U = 300/500$ V
Test voltage: 2000 V

Temperature range:
Minimum temperature during installation: -5° C
Fixed installed: -20° C to +70° C
At short circuit of max. 5s: 150° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimal inner bending radius: fixed installation 4xØ cable, occasional flexing 7,5xØ cable

Moguća boja plašta / Sheath colour identification

● siva (gy) RAL 7001 / grey (gy) RAL 7001



PVC-om izoliran i oplašten kabel, uljno otporan
PVC insulated and sheathed cable, oil resistant

EN 50525-2-51

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	
2 x 0,5	5,6	39,0	10	44	KOT 100, SP40 500
2 x 0,75	6,2	26,0	14	55	KOT 100, SP40 500
2 x 1	6,5	19,5	19	63	KOT 100, SP40 500
2 x 1,5	7,4	13,3	29	84	KOT 100, SP40 500
2 x 2,5	9,1	7,98	48	129	KOT 100, SP45 500
3 x 0,5	6,0	39,0	14	52	KOT 100, SP40 500
3 x 0,75	6,6	26,0	22	66	KOT 100, SP40 500
3 x 1	6,9	19,5	29	76	KOT 100, SP40 500
3 x 1,5	8,1	13,3	43	105	KOT 100, SP40 500
3 x 2,5	9,9	7,98	72	161	KOT 100, SP50 500
4 x 0,5	6,7	39,0	19	65	KOT 100, SP40 500
4 x 0,75	7,2	26,0	29	79	KOT 100, SP40 500
4 x 1	7,6	19,5	38	92	KOT 100, SP40 500
4 x 1,5	8,8	13,3	58	127	KOT 100, SP45 500
4 x 2,5	10,8	7,98	96	196	KOT 100, SP50 500
5 x 0,5	7,3	39,0	24	77	KOT 100, SP40 500
5 x 0,75	8,0	26,0	36	100	KOT 100, SP40 500
5 x 1	8,5	19,5	48	116	KOT 100, SP45 500
5 x 1,5	9,9	13,3	72	161	KOT 100, SP50 500
5 x 2,5	12,0	7,98	120	247	KOT 100, SP60 500
7 x 0,75	8,9	26,0	50	127	KOT 100, SP45 500
7 x 1	9,4	19,5	67	148	KOT 100, SP45 500
7 x 1,5	11,1	13,3	101	210	KOT 100, SP60 500
7 x 2,5	13,3	7,98	168	314	KOT 100, SP70 500
12 x 0,5	11,0	39,0	58	170	KOT 100, SP50 500
12 x 0,75	11,8	26,0	86	207	KOT 100, SP60 500
12 x 1	12,6	19,5	115	248	KOT 100, SP60 500
12 x 1,5	14,7	13,3	173	344	SP75 500
12 x 2,5	17,8	7,98	288	524	DB09 500
18 x 0,5	12,9	39,0	86	238	KOT 100, SP60 500
18 x 0,75	14,1	26,0	130	299	SP70 500
18 x 1	14,9	19,5	173	351	SP75 500
18 x 1,5	17,5	13,3	259	494	DB09 500
18 x 2,5	21,4	7,98	432	763	DB10 500

* 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



PRIMJENA / APPLICATION

Flexibilni signalni, spojni i upravljački kabel koji se koristi za statične ili mobilne uređaje u industriji, radionicama, pokretnim trakama i proizvodnim linijama. Pogodan za uporabu u suhim i vlažnim zatvorenim prostorima, pri manjim i srednjim mehaničkim opterećenjima, a posebno gdje se zahtjeva otpornost na najčešće korištena ulja i maziva.

Flexible signal, control and connecting cable used for static or mobile devices in industrial plant, tool machineries, conveyor belts and production lines. It is suitable for use in dry and damp environments where low and medium mechanical loads are expected. It is resistant to general purpose oils and greases.





PVC-om izoliran i oplašten signalni kabel s Cu opletom, uljno otporan

PVC insulated and sheathed screened control cable, oil-resistant

EN 50525-2-51



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: PVC mješavina, tip T12, prema EN 50363-3
Unutarnji plašt: PVC mješavina
Zaslon: oplet od pokositrenih bakrenih žica
Plašt: PVC mješavina otporna na ulje, tip TM5, prema EN 50363-4-1

...

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228
Insulation: PVC compound, type T12, acc. to EN 50363-3
Inner sheath: PVC compound
Screen: braid of tinned copper wires
Sheath: PVC compound, oil resistant, type TM5, acc. to EN 50363-4-1



TEHNIČKI PODACI / TECHNICAL DATA

Norme: EN 50525-2-51

Nazivni napon: $U_0/U = 300/500$ V
Ispitni napon: 2000 V

Granični temperaturni uvjeti:
 Minimalna temperatura polaganja: -5° C
 Radna temperatura: -20° C do +70° C
 Temperatura kratkog spoja max. 5s: 150° C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: fiksno položen 6xØ kabela, pri savijanju 15xØ kabela

...

Standards: EN 50525-2-51

Nominal voltage: $U_0/U = 300/500$ V
Test voltage: 2000 V

Temperature range:
 Minimum temperature during installation: -5° C
 Fixed installed: -20° C to +70° C
 At short circuit of max. 5s: 150° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimal inner bending radius: fixed installation 6xØ cable, occasional flexing 15xØ cable

...

Moguća boja plašta / Sheath colour identification

● siva (gy) RAL 7001 / grey (gy) RAL 7001



PVC-om izoliran i oplašten signalni kabel s Cu opletom, uljno otporan

PVC insulated and sheathed screened control cable, oil-resistant

EN 50525-2-51

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	
2x0,5	7,8	39,0	45	89	KOT 100, SP40 500
2x0,75	8,2	26,0	51	99	KOT 100, SP40 500
2x1	8,5	19,5	58	111	KOT 100, SP40 500
2x1,5	9,6	13,3	73	142	KOT 100, SP45 500
2x2,5	11,1	7,98	100	198	KOT 100, SP50 500
3x0,5	8,2	39,0	51	98	KOT 100, SP40 500
3x0,75	8,5	26,0	61	111	KOT 100, SP40 500
3x1	9,1	19,5	70	128	KOT 100, SP45 500
3x1,5	10,1	13,3	91	162	KOT 100, SP45 500
3x2,5	11,7	7,98	128	226	KOT 100, SP60 500
4x0,5	8,7	39,0	59	112	KOT 100, SP40 500
4x0,75	9,3	26,0	71	131	KOT 100, SP45 500
4x1	9,8	19,5	84	149	KOT 100, SP45 500
4x1,5	11,0	13,3	109	193	KOT 100, SP50 500
4x2,5	13,0	7,98	159	279	KOT 100, SP60 500
5x0,5	9,5	39,0	68	133	KOT 100, SP45 500
5x0,75	9,9	26,0	82	153	KOT 100, SP45 500
5x1	10,7	19,5	98	178	KOT 100, SP50 500
5x1,5	12,3	13,3	130	239	KOT 100, SP60 500
5x2,5	14,4	7,98	224	347	SP70 500
7x0,5	10,3	39,0	81	159	KOT 100, SP50 500
7x0,75	11,0	26,0	101	188	KOT 100, SP50 500
7x1	11,8	19,5	122	222	KOT 100, SP60 500
7x1,5	13,3	13,3	164	291	KOT 100, SP60 500
7x2,5	15,9	7,98	282	428	SP75 500
12x0,5	13,4	39,0	121	254	KOT 100, SP60 500
12x0,75	14,0	26,0	154	294	KOT 100, SP70 500
12x1	15,2	19,5	224	355	SP75 500
12x1,5	17,3	13,3	299	471	SP75 500
12x2,5	21,0	7,98	494	715	DB07 500
18x0,5	15,3	39,0	199	340	SP75 500
18x0,75	16,5	26,0	249	411	SP70 500
18x1	17,5	19,5	301	477	SP75 500
18x1,5	20,3	13,3	458	656	DB07 500
18x2,5	24,4	7,98	673	972	DB12 500

* Pakiranje: KOT 100 = kolot 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



PVC-om izoliran i oplašten elektronički kabel
PVC insulated and sheathed electronic cable



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228

Izolacija: PVC mješavina, tip T12, prema EN 50363-3

Plašt: PVC mješavina, tip TM2, prema EN 50363-4-1

...

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228

Insulation: PVC compound, type T12, acc. to EN 50363-3

Sheath: PVC compound, type TM2, acc. to EN 50363-4-1



TEHNIČKI PODACI / TECHNICAL DATA

Nazivni napon: $U_0/U = 300/500$ V ($\geq 0,5$ mm²)

Granični temperaturni uvjeti:

- Minimalna temperatura polaganja: -5° C
- Radna temperatura: -20° C do +70° C
- Temperatura kratkog spoja max. 5s: 150° C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: fiksno položen 5xØ kabela, pri savijanju 7,5xØ kabela

...

Nominal voltage: $U_0/U = 300/500$ V ($\geq 0,5$ mm²)

Temperature range:

- Minimum temperature during installation: -5° C
- Fixed installed: -20° C to +70° C
- At short circuit of max. 5s: 150° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimal inner bending radius: fixed installation 5xØ cable, occasional flexing 7,5xØ cable

...

do 10 žila: žile u bojama / **preko 10 žila:** crne numerirane žile
up to 10 cores: cores in different colours / **above 10 cores:** numbered black cores only

Moguća boja plašta / Sheath colour identification

- siva (gy) RAL 7001 / grey (gy) RAL 7001

.....



PVC-om izoliran i oplašten elektronički kabel
PVC insulated and sheathed electronic cable

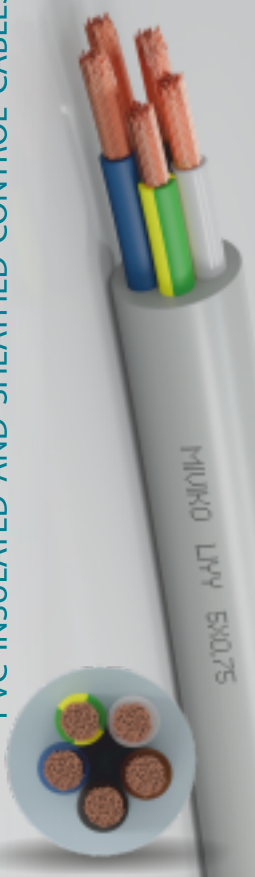
KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

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	
2 x 0,5	4,4	39,0	10	30	KOT 100, SP40 500
2 x 0,75	4,8	26,0	14	36	KOT 100, SP40 500
3 x 0,5	4,7	39,0	14	36	KOT 100, SP40 500
3 x 0,75	5,3	26,0	22	47	KOT 100, SP40 500
4 x 0,5	5,3	39,0	19	46	KOT 100, SP40 500
4 x 0,75	5,7	26,0	29	57	KOT 100, SP40 500
5 x 0,5	5,8	39,0	24	55	KOT 100, SP40 500
5 x 0,75	6,7	26,0	36	76	KOT 100, SP40 500
7 x 0,5	6,7	39,0	34	75	KOT 100, SP40 500
10 x 0,5	8,8	39,0	48	113	KOT 100, SP45 500
12 x 0,5	9,1	39,0	58	127	KOT 100, SP45 500
16 x 0,5	10,0	39,0	77	158	KOT 100, SP50 500
18 x 0,5	10,9	39,0	86	184	KOT 100, SP50 500

* Pakiranje: KOT 100 = kolot 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

PVC-OM IZOLIRANI I OPLAŠTENI SIGNALNI KABELO
PVC INSULATED AND SHEATHED CONTROL CABLES



PRIMJENA / APPLICATION

Fleksibilni elektronički i upravljački kabel za prijenos analognih i digitalnih signala, pogodan za fiksne i pomične instalacije u proizvodnji uređaja, za elektroničke, računalne i mjerne sustave, u pokretnim i proizvodnim trakama. Postavlja se u suhim i vlažnim prostorijama, nije predviđen za direktno polaganje u zemlju ili u vodu, niti za napajanje.

.....

Flexible electronic and control cable for the transmission of analog and digital signals, suitable for fixed and mobile installations in the device production, for electronic, computer and measuring systems, in conveyor and production lines. Laid in dry and damp premises, it is not intended for direct laying in the ground or in water, or for power supply.



PVC-OM IZOLIRANI I OPLAŠTENI SIGNALNI KABELO
PVC INSULATED AND SHEATHED CONTROL CABLES



PVC-om izoliran i oplašten elektronički kabel s Cu opletom
PVC insulated and sheathed screened electronic cable



KONSTRUKCIJA / CONSTRUCTION

- Vodič:** Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
- Izolacija:** PVC mješavina, tip TI2, prema EN 50363-3
- Separator:** poliester traka
- Zaslon:** oplet od pokositrenih bakrenih žica
- Plast:** PVC mješavina, tip TM2, prema EN 50363-4-1
- ...
- Conductor:** copper conductor, fine-wire stranded, class 5 acc. to EN 60228
- Insulation:** PVC compound, type TI2, acc. to EN 50363-3
- Separator:** polyester foil
- Screen:** braid of tinned copper wires
- Sheath:** PVC compound, type TM2, acc. to EN 50363-4-1



TEHNIČKI PODACI / TECHNICAL DATA

Nazivni napon: $U_0/U = 300/500$ V ($\geq 0,5$ mm²)
Ispitni napon: 2000 V

Granični temperaturni uvjeti:
Minimalna temperatura polaganja: -5° C
Radna temperatura: -20° C do +70° C
Temperatura kratkog spoja max. 5s: 150° C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Minimalni polumjer savijanja: fiksno položen 5xØ kabela, pri savijanju 10xØ kabela

Nominal voltage: $U_0/U = 300/500$ V ($\geq 0,5$ mm²)
Test voltage: 2000 V

Temperature range:
Minimum temperature during installation: -5° C
Fixed installed: -20° C to +70° C
At short circuit of max. 5s: 150° C

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Minimal inner bending radius: fixed installation 5xØ cable, occasional flexing 10xØ cable

do 10 žila: žile u bojama / **preko 10 žila:** crne numerirane žile
up to 10 cores: cores in different colours / **above 10 cores:** numbered black cores only

Moguća boja plašta / Sheath colour identification

- siva (gy) RAL 7001 / grey (gy) RAL 7001



PVC-om izoliran i oplašten elektronički kabel s Cu opletom
PVC insulated and sheathed screened electronic cable

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	
2 x 0,5	5,2	39,0	33	39	KOT 100, SP40 500
2 x 0,75	5,7	26,0	40	49	KOT 100, SP40 500
2 x 1	6,1	19,5	47	57	KOT 100, SP40 500
2 x 1,5	6,6	13,3	60	71	KOT 100, SP40 500
3 x 0,5	5,4	39,0	40	46	KOT 100, SP40 500
3 x 0,75	6,0	26,0	49	58	KOT 100, SP40 500
3 x 1	6,4	19,5	59	68	KOT 100, SP40 500
3 x 1,5	7,3	13,3	76	92	KOT 100, SP40 500
4 x 0,5	6,1	39,0	47	57	KOT 100, SP40 500
4 x 0,75	6,5	26,0	59	70	KOT 100, SP40 500
4 x 1	7,3	19,5	72	89	KOT 100, SP40 500
4 x 1,5	7,9	13,3	94	111	KOT 100, SP40 500
5 x 0,5	6,6	39,0	55	69	KOT 100, SP40 500
5 x 0,75	7,4	26,0	70	90	KOT 100, SP40 500
5 x 1	8,0	19,5	85	107	KOT 100, SP40 500
5 x 1,5	9,0	13,3	113	143	KOT 100, SP45 500
6 x 0,5	7,6	39,0	63	87	KOT 100, SP40 500
6 x 0,75	8,0	26,0	81	105	KOT 100, SP40 500
6 x 1	9,0	19,5	98	134	KOT 100, SP45 500
7 x 0,5	7,6	39,0	68	90	KOT 100, SP40 500
7 x 0,75	8,0	26,0	88	110	KOT 100, SP40 500
7 x 1	9,0	19,5	108	140	KOT 100, SP45 500
7 x 1,5	9,8	13,3	146	178	KOT 100, SP45 500
8 x 0,5	8,5	39,0	76	107	KOT 100, SP40 500
8 x 0,75	9,0	26,0	98	131	KOT 100, SP45 500
10 x 0,5	9,8	39,0	93	135	KOT 100, SP45 500
12 x 0,5	10,0	39,0	105	149	KOT 100, SP45 500
12 x 0,75	11,1	26,0	137	192	KOT 100, SP50 500
12 x 1	11,9	19,5	171	230	KOT 100, SP60 500
16 x 0,5	11,4	39,0	130	193	KOT 100, SP50 500
18 x 0,5	12,0	39,0	143	213	KOT 100, SP60 500
18 x 0,75	12,8	26,0	191	262	KOT 100, SP60 500

* 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



PVC-OM IZOLIRANI I OPLAŠTENI SIGNALNI KABELO
PVC INSULATED AND SHEATHED CONTROL CABLES



PRIMJENA / APPLICATION

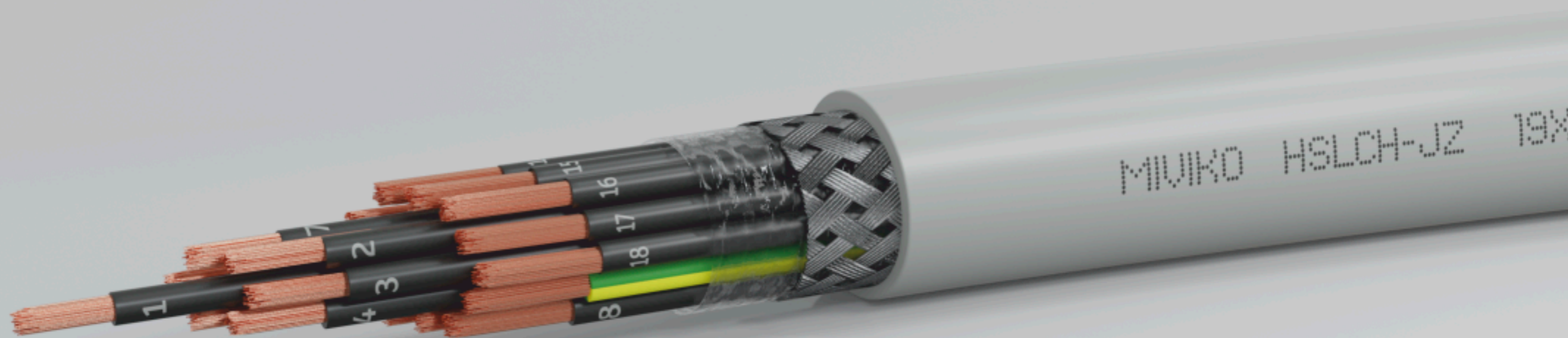
Flexibilni elektronički i upravljački kabel za prijenos analognih i digitalnih signala, pogodan za fiksne i pomične instalacije u proizvodnji uređaja, za elektroničke, računalne i mjerne sustave, u pokretnim i proizvodnim trakama, s povećanim zahtjevima za elektromagnetsku kompatibilnost. Postavlja se u suhim i vlažnim prostorijama, nije predviđen za direktno polaganje u zemlju ili u vodu, niti za napajanje.

Flexible electronic and control cable for the transmission of analog and digital signals, suitable for fixed and mobile installations in the device production, for electronic, computer and measuring systems, in conveyor and production lines, with increased requirements for electromagnetic compatibility. Laid in dry and damp premises, it is not intended for direct laying in the ground or in water, it is not intended for power supply.



PVC-OM IZOLIRANI I OPLAŠTENI SIGNALNI KABELO
PVC INSULATED AND SHEATHED CONTROL CABLES

BEZHALOGENI KABELI I VODOVI
HALOGEN-FREE CABLES AND WIRES



**Bezhalogeni izolirani vodič sa smanjenom emisijom dima i korozivnih plinova**

Halogen-free single core non-sheathed cables with low emission of smoke and corrosive gases

EN 50525-3-41

**KONSTRUKCIJA / CONSTRUCTION****Vodič:** Cu (bakreni) vodič, klase 1 (puni) prema EN 60228
Izolacija: bezhalogeni umreženi poliolefin, tip EI5, prema EN 50363-5**Conductor:** copper conductor of class 1 (solid) acc. to EN 60228
Insulation: halogen-free cross-linked polyolefin, type EI5, acc. to EN 50363-5**TEHNIČKI PODACI / TECHNICAL DATA****Norme:** EN 50525-3-41**Standards:** EN 50525-3-41**Nazivni napon:** $U_0/U = 450/750$ V
Ispitni napon: 2500 V**Nominal voltage:** $U_0/U = 450/750$ V
Test voltage: 2500 V**Granični temperaturni uvjeti:**
Minimalna temperatura polaganja: -5° C
Radna temperatura: -15° C do +90° C
Temperatura kratkog spoja max. 5s: 250° C**Temperature range:**
Minimum temperature during installation: -5° C
Fixed installed: -15° C to +90° C
At short circuit of max. 5s: 250° C**Test zapaljivosti:**
Kabel je samogasiv prema EN 60332-1-2**Behaviour in fire:**
Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2**Smanjena gustoća dima**
prema EN 61034-2**Low smoke density**
acc. to EN 61034-2**Minimalni polumjer savijanja:**
6xØ kabela**Minimal inner bending radius:** 6xØ cable**KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA**

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
1 x 1,5	2,8	12,1	14,4	20	KOT 100, SP40 4000
1 x 2,5	3,4	7,41	24	31	KOT 100, SP40 4000
1 x 4	3,9	4,61	38,4	46	KOT 100
1 x 6	4,3	3,08	57,6	65	KOT 100, SP40 500
1 x 10	5,5	1,83	96	110	KOT 100

Moguća boja izolacije / Conductor colour identification

- (y/g) žuto-zelena / yellow-green
- (bl) plava / blue
- (bn) smeđa / brown
- (bk) crna / black
- (gy) siva / grey

*** Pakiranje:** KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel

**Bezhalogeni izolirani vodič sa smanjenom emisijom dima i korozivnih plinova**

Halogen-free single core non-sheathed cables with low emission of smoke and corrosive gases

EN 50525-3-41

**KONSTRUKCIJA / CONSTRUCTION****Vodič:** Cu (bakreni) vodič, klase 2 (višežični) prema EN 60228
Izolacija: bezhalogeni umreženi poliolefin, tip EI5, prema EN 50363-5**Conductor:** copper conductor of class 2 (multi wire stranded) acc. to EN 60228
Insulation: halogen-free cross-linked polyolefin, type EI5, acc. to EN 50363-5**TEHNIČKI PODACI / TECHNICAL DATA****Norme:** EN 50525-3-41**Standards:** EN 50525-3-41**Nazivni napon:** $U_0/U = 450/750$ V
Ispitni napon: 2500 V**Nominal voltage:** $U_0/U = 450/750$ V
Test voltage: 2500 V**Granični temperaturni uvjeti:**
Minimalna temperatura polaganja: -5° C
Radna temperatura: -15° C do +90° C
Temperatura kratkog spoja max. 5s: 250° C**Temperature range:**
Minimum temperature during installation: -5° C
Fixed installed: -15° C to +90° C
At short circuit of max. 5s: 250° C**Test zapaljivosti:**
Kabel je samogasiv prema EN 60332-1-2**Behaviour in fire:**
Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2**Smanjena gustoća dima**
prema EN 61034-2**Low smoke density**
acc. to EN 61034-2**Minimalni polumjer savijanja:**
6xØ kabela**Minimal inner bending radius:** 6xØ cable**KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA**

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
1 x 6	4,5	3,08	58	65	KOT 100, SP40 500
1 x 10	5,7	1,83	96	106	KOT 100, SP40 500
1 x 16	6,8	1,15	154	162	KOT 100, SP40 500
1 x 25	8,1	0,727	240	258	DB06 500
1 x 35	9,5	0,524	336	351	DB06 500
1 x 50	11,2	0,387	480	478	DB07 500
1 x 70	12,7	0,268	672	666	DB07 500
1 x 95	14,7	0,193	912	924	DB08 500
1 x 120	16,0	0,153	1152	1152	DB09 500

Moguća boja izolacije / Conductor colour identification

- (y/g) žuto-zelena / yellow-green
- (bl) plava / blue
- (bn) smeđa / brown
- (bk) crna / black
- (gy) siva / grey

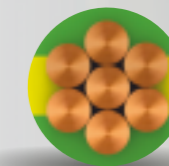
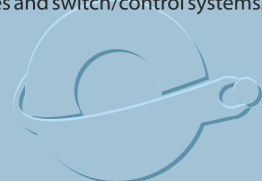
*** Pakiranje:** KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel

**PRIMJENA / APPLICATION**

Bezhalogeni jednožilni vodovi koriste se za ugradnju u suhe prostore za ožičenje rasvjetnih tijela i jedinica u kojima se vrijedna imovina štiti od daljnjih oštećenja koja proizlaze iz požara. Kabeli su dizajnirani za fiksnu ugradnju u suhim, čistim okruženjima, za upotrebu u cjevovodima i kanalima. Dopušteni za korištenje pri naponu do 1000 V izmjenično i 750 V istosmjerno, za fiksno i zaštićeno polaganje unutar rasvjetnih uređaja i sklopnih / upravljačkih sustava.

Halogen-free single-core wires are used for installation in dry environments for wiring up lighting fixtures and units where valuable assets are to be protected from further damage resulting from fire. The cables are designed for fixed installation in dry, clean environments, to be used in conduit and trunking. Allowed for voltages up to 1000 V a.c. and 750 V d.c., for fixed and protected laying inside lighting devices and switch/control systems.

**PRIMJENA / APPLICATION**

Bezhalogeni jednožilni vodovi koriste se za ugradnju u suhe prostore za ožičenje rasvjetnih tijela i jedinica u kojima se vrijedna imovina štiti od daljnjih oštećenja koja proizlaze iz požara. Kabeli su dizajnirani za fiksnu ugradnju u suhim, čistim okruženjima, za upotrebu u cjevovodima i kanalima. Dopušteni za korištenje pri naponu do 1000 V izmjenično i 750 V istosmjerno, za fiksno i zaštićeno polaganje unutar rasvjetnih uređaja i sklopnih / upravljačkih sustava.

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**Bezhalogeni izolirani vodič sa smanjenom emisijom dima i korozivnih plinova**

Halogen-free single core non-sheathed cables with low emission of smoke and corrosive gases

EN 50525-3-41

**KONSTRUKCIJA / CONSTRUCTION****Vodič:** Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: bezhalogeni umreženi poliolefin, tip EI5, prema EN 50363-5**Conductor:** copper conductor, fine-wired stranded, class 5 acc. to EN 60228
Insulation: halogen-free cross-linked polyolefin, type EI5, acc. to EN 50363-5**TEHNIČKI PODACI / TECHNICAL DATA****Norme:** EN 50525-3-41**Nazivni napon:** $U_0/U = 450/750$ V
Ispitni napon: 2500 V**Granični temperaturni uvjeti:**
Minimalna temperatura polaganja: -5° C
Radna temperatura: -15° C do +90° C
Temperatura kratkog spoja max. 5s: 250° C**Test zapaljivosti:** Kabel je samogasiv prema EN 60332-1-2
Smanjena gustoća dima prema EN 61034-2**Minimalni polumjer savijanja:** 6xØ kabela**Standards:** EN 50525-3-41**Nominal voltage:** $U_0/U = 450/750$ V
Test voltage: 2500 V**Temperature range:**
Minimum temperature during installation: -5° C
Fixed installed: -15° C do +90° C
At short circuit of max. 5s: 250° C**Flame retardant** (self-extinguishing) cable acc. to EN 60332-1-2
Low smoke density acc. to EN 61034-2**Minimal inner bending radius:** 6xØ cable**KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA**

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
1 x 1,5	2,8	13,3	14	21	KOT 100, SP40 500
1 x 2,5	3,5	7,98	24	33	KOT 100, SP40 500
1 x 4	4,0	4,95	38	49	KOT 100, SP40 500
1 x 6	4,5	3,30	58	68	KOT 100, SP40 500
1 x 10	5,7	1,91	96	114	KOT 100, SP40 500
1 x 16	6,9	1,21	154	172	KOT 100, SP40 500
1 x 25	8,8	0,78	240	262	KOT 100, SP50 500
1 x 35	9,9	0,554	336	355	DB06 500
1 x 50	12,2	0,386	480	508	DB06 500
1 x 70	14,7	0,272	672	697	DB07 500
1 x 95	17,0	0,206	912	920	DB08 500
1 x 120	18,7	0,161	1152	1151	DB08 500
1 x 150	21,4	0,129	1440	1443	DB09 500

Moguća boja plašta / Sheath colour identification ● (y/g) žuto-zelena / yellow-green

● (db) tamno plava / dark blue ● (bl) plava / blue ● (gn) zelena / green

● (bk) crna / black ● (gy) siva / grey ○ (wh) bijela / white ● (rd) crvena / red

● (vi) ljubičasta / violet ● (or) narančasta / orange ● (ye) žuta / yellow ● (bn) smeđa / brown

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel

**Bezhalogeni izolirani vodič sa smanjenom emisijom dima i korozivnih plinova**

Halogen-free single core non-sheathed cables with low emission of smoke and corrosive gases

EN 50525-3-41

**KONSTRUKCIJA / CONSTRUCTION****Vodič:** Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228**Izolacija:** bezhalogeni umreženi poliolefin, tip EI5, prema EN 50363-5**Conductor:** copper conductor, fine-wire stranded, class 5 acc. to EN 60228**Insulation:** halogen-free cross-linked polyolefin, type EI5, acc. to EN 50363-5**TEHNIČKI PODACI / TECHNICAL DATA****Norme:** EN 50525-3-41**Nazivni napon:** $U_0/U = 300/500$ V
Ispitni napon: 2000 V**Granični temperaturni uvjeti:**
Minimalna temperatura polaganja: -5° C
Radna temperatura: -15° C do +90° C
Temperatura kratkog spoja max. 5s: 250° C**Test zapaljivosti:** Kabel je samogasiv prema EN 60332-1-2
Smanjena gustoća dima prema EN 61034-2**Minimalni polumjer savijanja:** 6xØ kabela**Standards:** EN 50525-3-41**Nominal voltage:** $U_0/U = 300/500$ V
Test voltage: 2000 V**Temperature range:**
Minimum temperature during installation: -5° C
Fixed installed: -15° C to +90° C
At short circuit of max. 5s: 250° C**Flame retardant** (self-extinguishing) cable acc. to EN 60332-1-2
Low smoke density acc. to EN 61034-2**Minimal inner bending radius:** 6xØ cable**KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA**

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
1 x 0,5	2,1	39	4,8	8	KOT 100
1 x 0,75	2,4	26	7,2	11	KOT 100
1 x 1	2,5	19,5	9,6	14	KOT 100

Moguća boja plašta / Sheath colour identification ● (y/g) žuto-zelena / yellow-green

● (db) tamno plava / dark blue ● (bl) plava / blue ● (gn) zelena / green

● (bk) crna / black ● (gy) siva / grey ○ (wh) bijela / white ● (rd) crvena / red

● (vi) ljubičasta / violet ● (or) narančasta / orange ● (ye) žuta / yellow ● (bn) smeđa / brown

* Pakiranje: KOT 100 = kolut 100m, SP = kabel namotan na lagani bubanj

* Packing: KOT 100 = coil 100m, SP = cable on plywood reel

**PRIMJENA / APPLICATION**

Bezhalogeni jednožilni vodovi koriste se za ugradnju u suhe prostore za ožičenje rasvjetnih tijela i jedinica u kojima se vrijedna imovina štiti od daljnjih oštećenja koja proizlaze iz požara. Kabeli su dizajnirani za ugradnju gdje je potrebna naročita savitljivost, za ožičenje alata i uređaja, kao instalacije u zgradama, položene u cijevi ili na žbuku. Dopušteni za korištenje pri naponu do 750 V izmjenično, za fiksno i zaštićeno polaganje unutar rasvjetnih uređaja i sklopnih / upravljačkih sustava.

Halogen-free single-core wires are used for installation in dry environments for wiring up lighting fixtures and units where valuable assets are to be protected from further damage resulting from fire. The cables are designed for fixed installation in dry, clean environments, to be used in conduit and trunking. Allowed for voltages up to 750 V a.c., for fixed and protected laying inside lighting devices and switch/control systems.

**PRIMJENA / APPLICATION**

Bezhalogeni jednožilni vodovi koriste se za ugradnju u suhe prostore za ožičenje rasvjetnih tijela i jedinica u kojima se vrijedna imovina štiti od daljnjih oštećenja koja proizlaze iz požara. Kabeli su dizajnirani za ugradnju gdje je potrebna naročita savitljivost, za ožičenje alata i uređaja, kao instalacije u zgradama, položene u cijevi ili na žbuku.

Halogen-free single-core wires are used for installation in dry environments for wiring up lighting fixtures and units where valuable assets are to be protected from further damage resulting from fire. The cables are designed for fixed installation in dry, clean environments, to be used in conduit and trunking.





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:
umreženi PE (XLPE), tip 2XI1 prema HD 604 S1 / DIN VDE 0276-604

Ispuna:
HFFR bezhalogena polimerna mješavina

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

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Conductor:
copper conductor **class 1** or **class 2**, acc. to EN 60228

Insulation:
cross-linked PE (XLPE), tip 2XI1 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
Ispitni 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

CPR klasa: Dca-s1a, d2, a1

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 to +70° C
At short circuit of max. 5s: 160° C

CPR class: Dca-s1a, d2, a1

Behaviour in fire: EN 60332-3

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



Bezhalogeni instalacijski kabel 300/500V Halogen free installation cable 300/500V DIN VDE 0250-214

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 = kolot 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

**Instalacijski kabel s poboljšanim svojstvima u slučaju požara**

Installation cable HMH with special properties in the event of fire

DIN VDE 0250-215 • EN 50265-2-1 • EN 50267-2-2 • EN 50268-2

**KONSTRUKCIJA / CONSTRUCTION****Vodič:**

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

Izolacija vodiča:

Umrežena polimerna mješavina

Ispuna:

HFFR bezhalogena polimerna mješavina

Pláš:

HFFR bezhalogena polimerna mješavina

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Conductor:

copper conductor class 1 or class 2, acc. to EN 60228

Insulation:

Cross-linked polymer compound

Filler:

Halogen-free thermoplastic polymer

Sheath:

Halogen-free thermoplastic polymer

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**TEHNIČKI PODACI / TECHNICAL DATA**

Norme: DIN VDE 0250-215 ; EN 50265-2-1 ; EN 50267-2-2 ; EN 50268-2

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

Ispitni napon: 2000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -5° C

Radna temperatura: -15° C do +70° C

Temperatura kratkog spoja max. 5s: 160° C

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2**Bezhalogenost:** EN 60754-1 ; EN 60754-2**Gustoća dima:** EN 61034-2**Minimalni polumjer savijanja:** 12xØ kabela

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Standards: DIN VDE 0250-215 ; EN 50265-2-1 ; EN 50267-2-2 ; EN 50268-2**Nominal voltage:** $U_0/U = 300/500$ V**Test voltage:** 2000 V**Temperature range:**

Minimum temperature during installation: -5° C

Fixed installed: -15° C to +70° C

At short circuit of max. 5s: 160° C

Behaviour in fire: flame retardant (self-extinguishing) cable acc. to EN 60332-1-2**Halogen acid gas content:** EN 60754-1; EN 60754-2**Smoke density:** EN 61034-2**Minimal inner bending radius:** 12xØ cable

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MIVIKO
high tech copper cables**Instalacijski kabel s poboljšanim svojstvima u slučaju požara**

Installation cable HMH with special properties in the event of fire

DIN VDE 0250-215 • EN 50265-2-1 • EN 50267-2-2 • EN 50268-2

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	
2 x 1,5	7,4	12,1	30	98	KOT 100, SP40 500
3 x 1,5	8,0	12,1	45	117	KOT 100, SP40 500
3 x 2,5	9,5	7,41	75	165	KOT 100, SP45 500
3 x 4	11,1	4,61	120	237	KOT 100, SP50 500
3 x 6	12,5	3,08	180	332	KOT 100, SP60 500
3 x 10	17,3	1,83	300	619	KOT 100, SP70 500, DB08 500
3 x 16	19,0	1,15	480	776	DB09 500
4 x 1,5	9,2	12,1	60	134	KOT 100, SP40 500
4 x 2,5	10,3	7,41	100	204	KOT 100, SP45 500
4 x 4	12,7	4,61	160	294	KOT 100, SP60 500
4 x 6	14,6	3,08	240	405	KOT 100, SP60 500
4 x 10	19,1	1,83	400	756	SP75 500, DB08 500
4 x 16	21,7	1,15	640	972	DB08 500
5 x 1,5	10,0	12,1	75	163	KOT 100, SP45 500
5 x 2,5	11,8	7,41	125	245	KOT 100, SP50 500
5 x 4	13,5	4,61	200	352	KOT 100, SP60 500
5 x 6	15,1	3,08	300	496	KOT 100, SP70 500
5 x 10	20,0	1,83	500	860	DB08 500
5 x 16	22,9	1,15	800	1201	DB09 500
7 x 1,5	11,3	12,1	105	197	KOT 100, SP50 500
7 x 2,5	12,7	7,41	175	314	KOT 100, SP50 500

Moguća boja plašta / Sheath colour identification

● (gy) siva / gray

*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

**PRIMJENA / APPLICATION**

Instalacijski kabel bez halogena pogodan za primjenu u kućanstvu i industriji, u objektima u kojima ljudske živote ili vrijednu imovinu treba bolje zaštititi nego kod standardnih instalacijskih kabela s PVC plaštom od oštećenja uzrokovanih požarom. Položen, na ili ispod žbuke, u zidove ili u beton, izravno ili u kabelaške kanale, bez posebne mehaničke zaštite, ali ne i u suhom ili prednapregnutom betonu. Prikladno za suho, vlažno ili mokro okruženje, za unutarnju ili vanjsku primjenu (samo ako je kabel zaštićen od izravne sunčeve svjetlosti). Prednosti: bez halogena, ne pušta otrovne ili korozivne plinove pod vatrom, smanjuje pojavu dima u vatri, nema širenja plamena u vertikalnom snopu kabela.

...

Halogen-free installation cable suitable for application in household and industry, in facilities where human lives or valuable property need to be better protected than with standard PVC-sheathed installation cables against damages caused by fire. Laid in, on or under plaster, in walls or in concrete, directly or in cable channels, 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 teškogorivi instalacijski kabel 0,6/1 kV**
Halogen-free, flame-retardant installation cable 0,6/1 kV

TPV-008:2015

**KONSTRUKCIJA / CONSTRUCTION****Vodič:**

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

Izolacija vodiča:

HFFR bezhalogena polimerna mješavina tip T17 prema EN 50363-7

Ispuna:

HFFR bezhalogena polimerna mješavina

Plajt:

HFFR bezhalogena polimerna mješavina tip TM7 prema EN 50363-8

Conductor:

copper conductor class 1 or class 2, acc. to EN 60228

Insulation:

HFFR extruded thermoplastic compound, type T17 acc. to EN 50363-7

Filler:

HFFR extruded thermoplastic compound

Sheath:

HFFR extruded thermoplastic compound, type TM7 acc. to EN 50363-8

**TEHNIČKI PODACI / TECHNICAL DATA**

Norme: TPV-008:2015

Nazivni napon: $U_0/U = 600/1000$ V

Ispitni napon: 3000 V

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -5° C

Radna temperatura: -15° C do +70° C

Temperatura kratkog spoja max. 5s: 160° C

CPR klasa: Dca-s1, d2, a3

Test zapaljivosti: Kabel je samogasiv prema EN 60332-1-2

Bezhalogenost: EN 60754-2

Otpuštanje topline i stvaranje dima: EN 50399

Minimalni polumjer savijanja: 12xØ kabela za višežilni, 15xØ kabela za jednožilni

Standards: TPV-008:2015

Nominal voltage: $U_0/U = 600/1000$ V

Test voltage: 3000 V

Temperature range:

Minimum temperature during installation: -5° C

Fixed installed: -15° C to +70° C

At short circuit of max. 5s: 160° C

CPR class: Dca-s1, d2, a3

Behaviour in fire: Flame retardant (self-extinguishing) cable acc. to EN 60332-1-2

Halogen acid gas content: EN 60754-2

Heat release and smoke production: EN 50399

Minimal inner bending radius: 12xØ multi core, 15xØ single core

Moguća boja plašta / Sheath colour identification

● (gy) siva / gray

*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

**Bezhalogeni teškogorivi instalacijski kabel 0,6/1 kV**
Halogen-free, flame-retardant installation cable 0,6/1 kV

TPV-008:2015

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	4,1	12,1	14,4	29,7	KOT 100, SP40 500
1 x 2,5	4,8	7,41	24	43,4	KOT 100, SP40 500
1 x 4	5,35	4,61	38,4	60,4	KOT 100, SP40 500
1 x 6	5,9	3,08	57,6	81,5	KOT 100, SP40 500
1 x 10	7,3	1,83	96	129,4	SP40 500
1 x 16	8,75	1,15	153,6	197,7	SP45 500
1 x 25	10,1	0,727	240	299,5	DB07 500
1 x 35	11,8	0,524	336	408,9	DB07 500
1 x 50	12,8	0,387	480	589,2	DB07 500
2 x 1,5	7,4	12,1	28,8	87,0	KOT 100, SP40 500
2 x 2,5	8,6	7,41	48	123,1	KOT 100, SP40 500
2 x 4	10,0	4,61	76,8	176,5	KOT 100, SP45 500
2 x 6	11,15	3,08	115,2	234,0	KOT 100, SP50 500
2 x 10	14,05	1,83	192	378,9	SP70 500
2 x 16	17,0	1,15	307,2	566,2	DB09 500
2 x 25	19,9	0,727	480	842,5	DB10 500
2 x 35	23,3	0,524	672	1153,4	DB10 500
3 x 1,5	7,8	12,1	43,2	103,7	KOT 100, SP40 500
3 x 2,5	9,05	7,41	72	149,0	KOT 100, SP45 500
3 x 4	10,55	4,61	115,2	216,1	KOT 100, SP50 500
3 x 6	12,0	3,08	172,8	296,2	KOT 100, SP60 500
3 x 10	15,1	1,83	288	479,1	DB08 500
3 x 16	18,0	1,15	460,8	720,6	DB09 500
3 x 25	21,2	0,727	720	1096,2	DB10 500
3 x 35	24,95	0,524	1008	1499,3	DB12 500
4 x 1,5	8,7	12,1	57,6	129,2	KOT 100, SP40 500
4 x 2,5	10,05	7,41	96	186,0	KOT 100, SP45 500
4 x 4	11,7	4,61	153,6	270,2	KOT 100, SP60 500
4 x 6	13,3	3,08	230,4	374,6	KOT 100, DB07 500
4 x 10	16,5	1,83	384	597,8	DB09 500
4 x 16	20,1	1,15	614,4	921,5	DB10 500
4 x 25	23,7	0,727	960	1401,4	DB12 500
5 x 1,5	9,4	12,1	72	156,2	KOT 100, SP45 500
5 x 2,5	10,9	7,41	120	225,8	KOT 100, SP50 500
5 x 4	12,75	4,61	192	329,3	KOT 100, SP60 500
5 x 6	14,5	3,08	288	454,0	KOT 100, DB08 500
5 x 10	18,4	1,83	480	743,5	DB09 500
5 x 16	22,2	1,15	768	1132,8	DB10 500
7 x 1,5	10,4	12,1	100,8	199,2	KOT 100, SP50 500
7 x 2,5	12,05	7,41	168	289,9	KOT 100, SP60 500

**PRIMJENA / APPLICATION**

Instalacijski kabel bez halogena pogodan za primjenu u kućanstvu i industriji, u objektima u kojima ljudske živote ili vrijednu imovinu treba zaštititi od oštećenja uzrokovanih požarom. Preporučuje se za javne zgrade koje posjećuje puno ljudi, i za zgrade visoke materijalne vrijednosti, za industrijske komplekse, elektrane, trafostanice, komunalne objekte, hotele, trgovačke centre, bolnice, škole, zračne luke, podzemne željeznice i slično. Položen u, na ili ispod žbuke, u zidove ili u beton, izravno ili u kabelaške kanale, bez posebne mehaničke zaštite. Prikladno za suho, vlažno ili mokro okruženje, za unutarnju ili vanjsku primjenu (samo ako je kabel zaštićen od izravne sunčeve svjetlosti). Prednosti: bez halogena, ne pušta otrovne ili korozivne plinove pod vatrom, smanjuje pojavu dima u vatri, nema širenja plamena u vertikalnom snopu kabela.

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. 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 teškogorivi energetski kabel

Halogen-free power cable with improved fire behaviour

DIN VDE 0276-604 • HRN HD 604 S1



KONSTRUKCIJA / CONSTRUCTION

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

Izolacija: umreženi polietilen: XLPE tipa 2X11 prema HD 604 S1

Ispuna: HFFR bezhalogena polimerna mješavina

Plašt: HFFR bezhalogena polimerna mješavina tipa HM4 prema HD 604 S1

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Conductor: Cu, class 1 or 2 acc. to EN 60228

Insulation: XLPE-compound 2X11 acc. to HD 604 S1

Filler: HFFR extruded halogen-free polymer

Sheath: HFFR extruded halogen-free polymer, type HM4 acc. to HD 604 S1



TEHNIČKI PODACI / TECHNICAL DATA

Norme: DIN VDE 0276-604
HRN HD 604 S1

Nazivni napon: $U_0/U = 0,6/1$ kV
Ispitni napon: 4 kV

Granični temperaturni uvjeti:

Minimalna temperatura polaganja: -5° C
Radna temperatura: -15° C do +90° C
Temperatura kratkog spoja max. 5s: 250° C

Test zapaljivosti: EN 60332-3

Minimalni polumjer savijanja: 12xØ kabela višežilni, 15xØ kabela za jednožilni

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Standards: DIN VDE 0276-604
HRN HD 604 S1

Nominal voltage: $U_0/U = 0,6/1$ kV
Test voltage: 4 kV

Temperature range:

Minimum temperature during installation: -5° C
Fixed installed: -15° C to +90° C
At short circuit of max. 5s: 250° C

Behaviour in fire: EN 60332-3

Minimal inner bending radius: 12xØ multi core, 15xØ single core

...

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



Bezhalogeni teškogorivi energetski kabel

Halogen-free power cable with improved fire behaviour

DIN VDE 0276-604 • HRN HD 604 S1

Nazivni presjek Construction	Izvedba vodiča Shape of the conductor	Vanjski promjer Outer diameter	KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA						Standardno pakiranje* Packing*
			Otpor vodiča na 20 °C Conductor resistance at 20 °C	Strujno opterećenje (u zraku) Current carrying capacity (air)	Strujno opterećenje (u zemlji) Current carrying capacity (ground)	Cu broj Cu weight	Težina kabela Cable weight		
mm ²		ca. mm	Ω/km	nom. A	nom. A	kg/km	ca. kg/km		
1 x 6	RE	6,5	3,08	56	67	58	87	KOT 100, SP40 500	
1 x 10	RE	7,9	1,83	77	89	96	135	KOT 100, SP40 500	
1 x 10	RM	8,1	1,83	77	89	96	138	KOT 100, SP40 500	
1 x 16	RE	8,8	1,15	102	115	154	191	SP45 500	
1 x 16	RM	9,2	1,15	102	115	154	200	SP45 500	
1 x 25	RM	11,1	0,727	138	148	240	304	DB07 500	
1 x 35	RM	12,1	0,524	170	177	336	396	DB07 500	
1 x 50	RM	14,0	0,387	207	209	480	533	DB08 500	
1 x 70	RM	15,5	0,268	263	256	672	733	DB09 500	
1 x 95	RM	17,7	0,193	325	307	912	1001	DB09 500	
1 x 120	RM	19,2	0,153	380	349	1152	1247	DB10 500	
2 x 1,5	RE	8,9	12,1	24	31	29	113	KOT 100, SP45 500	
2 x 2,5	RE	9,9	7,41	32	40	48	148	KOT 100, SP50 500	
3 x 1,5	RE	9,4	12,1	24	31	43	129	KOT 100, SP45 500	
3 x 2,5	RE	10,4	7,41	32	40	72	172	KOT 100, SP50 500	
3 x 4	RE	12,2	4,61	42	52	115	249	KOT 100, SP60 500	
3 x 6	RE	13,9	3,08	53	64	173	340	KOT 100, SP70 500	
3 x 10	RE	15,6	1,83	74	86	288	482	DB09 500	
3 x 10	RM	16,3	1,83	74	86	288	506	DB09 500	
3 x 16	RE	17,7	1,15	98	112	461	688	DB09 500	
3 x 16	RM	18,6	1,15	98	112	461	726	DB09 500	
4 x 1,5	RE	10,3	12,1	24	31	58	157	KOT 100, SP50 500	
4 x 2,5	RE	11,3	7,41	32	40	96	205	KOT 100, SP60 500	
4 x 4	RE	13,5	4,61	42	52	154	305	KOT 100, SP70 500	
4 x 6	RE	15,1	3,08	53	64	230	413	KOT 100, DB08 500	
4 x 10	RE	17,2	1,83	74	86	384	602	DB09 500	
4 x 10	RM	17,8	1,83	74	86	384	621	DB09 500	
4 x 16	RE	19,6	1,15	98	112	614	864	DB10 500	
4 x 16	RM	20,5	1,15	98	112	614	910	DB10 500	
4 x 25	RM	25,2	0,727	133	145	960	1396	DB12 500	
5 x 1,5	RE	11,2	12,1	24	31	72	185	KOT 100, SP60 500	
5 x 2,5	RE	12,2	7,41	32	40	120	244	KOT 100, SP60 500	
5 x 4	RE	14,7	4,61	42	52	192	366	KOT 100, SP75 500	
5 x 6	RE	16,6	3,08	53	64	288	501	KOT 100, DB09 500	
5 x 10	RE	19,0	1,83	74	86	480	733	DB10 500	
5 x 10	RM	19,6	1,83	74	86	480	756	DB10 500	
5 x 16	RE	21,4	1,15	98	112	768	1044	DB10 500	
5 x 16	RM	22,7	1,15	98	112	768	1110	DB10 500	
7 x 1,5	RE	12,1	12,1	24	31	101	225	KOT 100, SP60 500	
7 x 2,5	RE	13,4	7,41	32	40	168	309	KOT 100, SP70 500	
7 x 4	RE	16,2	4,61	42	52	269	465	DB09 500	
10 x 1,5	RE	15,2	12,1	24	31	144	323	DB08 500	
10 x 2,5	RE	16,9	7,41	32	40	240	443	DB09 500	
12 x 1,5	RE	15,7	12,1	24	31	173	358	DB09 500	
12 x 2,5	RE	17,4	7,41	32	40	288	497	DB09 500	



PRIMJENA / APPLICATION

Energetski i signalni kabel za napajanje, za fiksna vanjska polaganja u zemlju ili beton (uz odgovarajuću mehaničku zaštitu), u zatvorenim prostorijama, kabelskim kanalima, u uvjetima gdje se ne očekuju mehanička naprezanja. Prikladni su za sustave napajanja u slučaju nužde, a posebno u svim javnim objektima s velikom koncentracijom ljudi (hoteli, tuneli, neboderi, bolnice, škole, podzemne željeznice, zračne luke itd.) te u industrijskim kompleksima gdje su neophodna poboljšana svojstva u slučaju požara.

Distribution and signal power cable for static outdoor application in ground or concrete (with sufficient mechanical protection), within facilities, in cable channels, in conditions where heavier mechanical loads and special tensile strains are not expected. Suitable for supply systems in an emergency. Appropriate for application in all situations where people and material goods need to be protected in case of fire. 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.



Bezhalogeni teškogorivi signalni kabel Halogen-free, flame retardant control cable



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: HFFR bezhalogena polimerna mješavina
Plašt: HFFR bezhalogena polimerna mješavina

Conductor: copper conductor, fine-wire stranded, class 5, acc. to IEC 60228
Insulation: HFFR extruded thermoplastic compound
Sheath: HFFR extruded thermoplastic compound



TEHNIČKI PODACI / TECHNICAL DATA

Vrsta kabela:
HSLH-JZ crne numerirane žile, sa žuto-zelenom
HSLH-OZ crne numerirane žile, bez žuto-zelene
HSLH-JB žile u boji, sa žuto-zelenom
HSLH-OB žile u boji, bez žuto-zelene

Cable type:
HSLH-JZ numbered black cores, with yellow/green
HSLH-OZ numbered black cores, without yellow/green
HSLH-JB cores in different colours, with yellow/green
HSLH-OB cores in different colours, without yellow/green

Nazivni napon: $U_0/U = 300/500$ V
Ispitni napon: 2000 V

Nominal voltage: $U_0/U = 300/500$ V
Test voltage: 2000 V

Granični temperaturni uvjeti:
 Minimalna temperatura polaganja: -5° C
 Radna temperatura: -20° C do +70° C
 Temperatura kratkog spoja max. 5s: 150° C

Temperature range:
 Minimum temperature during installation: -5° C
 Fixed installed: -20° C to +70° C
 At short circuit of max. 5s: 150° C

Test zapaljivosti:
 Kabel je samogasiv prema EN 60332-3

Behaviour in fire:
 Flame retardant (self-extinguishing)
 cable acc. to EN 60332-3

Minimalni polumjer savijanja:
 fiksno položen 6xØ kabela,
 pri savijanju 15xØ kabela

Minimal inner bending radius:
 fixed installation 6xØ cable,
 occasional flexing 15xØ cable

Moguća boja plašta / Sheath colour identification

● (gy) siva RAL 7001 / (gy) grey RAL 7001

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA					
Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,5	4,8	39,0	10	34	KOT 100, SP40 500
2 x 0,75	5,4	26,0	14	43	KOT 100, SP40 500
2 x 1	5,7	19,5	19	51	KOT 100, SP40 500
2 x 1,5	6,2	13,3	29	64	KOT 100, SP40 500
2 x 2,5	7,7	7,98	48	101	KOT 100, SP40 500
3 x 0,5	5,1	39,0	14	40	KOT 100, SP40 500
3 x 0,75	5,7	26,0	22	52	KOT 100, SP40 500
3 x 1	6,1	19,5	29	62	KOT 100, SP40 500
3 x 1,5	6,8	13,3	43	82	KOT 100, SP40 500
3 x 2,5	8,4	7,98	72	128	KOT 100, SP40 500
3 x 4	9,7	4,95	115	185	KOT 100, SP45 500
3 x 6	11,5	3,30	173	266	KOT 100, SP60 500
3 x 10	14,0	1,91	288	428	DB08 500
3 x 16	17,3	1,21	461	682	DB09 500
4 x 0,5	5,7	39,0	19	51	KOT 100, SP40 500
4 x 0,75	6,1	26,0	29	62	KOT 100, SP40 500
4 x 1	6,6	19,5	38	75	KOT 100, SP40 500



Bezhalogeni teškogorivi signalni kabel Halogen-free, flame retardant control cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
4 x 1,5	7,4	13,3	58	99	KOT 100, SP40 500
4 x 2,5	9,2	7,98	96	157	KOT 100, SP45 500
4 x 4	10,6	4,95	154	231	KOT 100, SP50 500
4 x 6	12,6	3,30	230	333	KOT 100, SP60 500
4 x 10	15,4	1,91	384	540	DB08 500
4 x 16	19,4	1,21	614	867	DB10 500
4 x 25	24,0	0,78	960	1325	DB12 500
5 x 0,5	6,2	39,0	24	61	KOT 100, SP40 500
5 x 0,75	6,9	26,0	36	79	KOT 100, SP40 500
5 x 1	7,4	19,5	48	95	KOT 100, SP40 500
5 x 1,5	8,3	13,3	72	125	KOT 100, SP40 500
5 x 2,5	10,2	7,98	120	198	KOT 100, SP50 500
5 x 4	11,8	4,95	192	287	KOT 100, SP60 500
5 x 6	14,2	3,30	288	419	KOT 100, SP70 500
5 x 10	16,9	1,91	480	660	DB09 500
5 x 16	21,8	1,21	768	1085	DB10 500
7 x 0,5	6,9	39,0	34	78	KOT 100, SP40 500
7 x 0,75	7,4	26,0	50	97	KOT 100, SP40 500
7 x 1	8,2	19,5	67	122	KOT 100, SP40 500
7 x 1,5	9,1	13,3	101	161	KOT 100, SP45 500
7 x 2,5	11,7	7,98	168	266	KOT 100, SP60 500
10 x 0,5	8,2	39,0	48	101	KOT 100, SP40 500
10 x 0,75	8,9	26,0	72	128	KOT 100, SP45 500
10 x 1	9,6	19,5	96	158	KOT 100, SP45 500
10 x 1,5	10,8	13,3	144	212	KOT 100, SP50 500
10 x 2,5	13,6	7,98	240	342	KOT 100, SP70 500
12 x 0,5	8,5	39,0	58	114	KOT 100, SP45 500
12 x 0,75	9,2	26,0	86	146	KOT 100, SP45 500
12 x 1	10,2	19,5	115	185	KOT 100, SP50 500
12 x 1,5	11,2	13,3	173	242	KOT 100, SP60 500
12 x 2,5	14,1	7,98	288	393	SP70 500
14 x 0,5	9,5	39,0	67	142	KOT 100, SP45 500
14 x 0,75	10,5	26,0	101	184	KOT 100, SP50 500
14 x 1	11,7	19,5	134	235	KOT 100, SP60 500
14 x 1,5	13,2	13,3	202	316	KOT 100, SP60 500
14 x 2,5	14,5	7,98	336	434	DB08 500
16 x 0,5	9,6	39,0	77	148	KOT 100, SP45 500
16 x 0,75	10,4	26,0	115	190	KOT 100, SP50 500
16 x 1	11,3	19,5	154	235	KOT 100, SP60 500
16 x 1,5	12,9	13,3	230	321	KOT 100, SP60 500
16 x 2,5	16,1	7,98	384	519	DB09 500
18 x 0,5	10,9	39,0	86	183	KOT 100, SP50 500
18 x 0,75	12,1	26,0	130	243	KOT 100, SP60 500
18 x 1	13,7	19,5	173	314	KOT 100, SP70 500
18 x 1,5	15,5	13,3	259	424	SP75 500
18 x 2,5	16,4	7,98	432	553	DB09 500

* Pakiranje: KOT 100 = KOT 100 = kolot 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



Signalni kabel bez halogena, s poboljšanim karakteristikama za slučaj požara, pogodan za različitu upotrebu u upravljačkim i mjernim krugovima, u industriji i objektima u kojima se ljudski životi ili vrijedna imovina moraju zaštititi od štete prouzročene požarom. Pogodan za fiksnu instalaciju, kao i pomičnu instalaciju, no bez mehaničkog naprezanja; za suhu i vlažnu okolinu, nije za vanjsku uporabu.

Halogen-free signal cable with improved properties under fire, suitable for different applications in control and measuring circuits, in industry and facilities where human lives or valuable property need to be protected against damages caused by fire. Suitable for fixed, same as for mobile installation, but free of mechanical stress; for dry and damp environment, not for outdoor application.





Bezhalogeni teškogorivi signalni kabel s Cu opletom

Halogen-free, flame retardant screened control cable



KONSTRUKCIJA / CONSTRUCTION

Vodič: Cu (bakreni) vodič, klase 5 (finožični) prema EN 60228
Izolacija: HFFR bezhalogena polimerna mješavina
Separator: poliester traka
Zaslon: oplem od pokositrenih bakrenih žica
Plašt: HFFR bezhalogena polimerna mješavina

Conductor: copper conductor, fine-wire stranded, class 5 acc. to EN 60228
Insulation: HFFR extruded thermoplastic compound
Separator: polyester foil
Screen: braid of tinned copper wires
Sheath: HFFR extruded thermoplastic compound



TEHNIČKI PODACI / TECHNICAL DATA

Vrsta kabela:
HSLCH-JZ crne numerirane žile, sa žuto-zelenom
HSLCH-OZ crne numerirane žile, bez žuto-zelene
HSLCH-JB žile u boji, sa žuto-zelenom
HSLCH-OB žile u boji, bez žuto-zelene

Cable type:
HSLCH-JZ numbered black cores, with yellow/green
HSLCH-OZ numbered black cores, without yellow/green
HSLCH-JB cores in different colours, with yellow/green
HSLCH-OB cores in different colours, without yellow/green

Nazivni napon: $U_0/U = 300/500$ V
Ispitni napon: 2000 V

Nominal voltage: $U_0/U = 300/500$ V
Test voltage: 2000 V

Granični temperaturni uvjeti:
 Minimalna temperatura polaganja: -5° C
 Radna temperatura: -20° C do +70° C
 Temperatura kratkog spoja max. 5s: 150° C

Temperature range:
 Minimum temperature during installation: -5° C
 Fixed installed: -20° C to +70° C
 At short circuit of max. 5s: 150° C

Test zapaljivosti:
 Kabel je samogasiv prema EN 60332-3

Behaviour in fire:
 Flame retardant (self-extinguishing) cable acc. to EN 60332-3

Minimalni polumjer savijanja:
 fiksno položen 6xØ kabela, pri savijanju 15xØ kabela

Minimal inner bending radius:
 fixed installation 6xØ cable, occasional flexing 15xØ cable

Moguća boja plašta / Sheath colour identification

● siva (gy) RAL 7001 / grey (gy) RAL 7001

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
2 x 0,5	5,6	39,0	33	43	KOT 100, SP40 500
2 x 0,75	5,9	26,0	40	52	KOT 100, SP40 500
2 x 1	6,5	19,5	47	62	KOT 100, SP40 500
2 x 1,5	7,0	13,3	60	77	KOT 100, SP40 500
2 x 2,5	8,5	7,98	87	116	KOT 100, SP40 500
3 x 0,5	5,8	39,0	40	51	KOT 100, SP40 500
3 x 0,75	6,2	26,0	49	60	KOT 100, SP40 500
3 x 1	6,8	19,5	59	74	KOT 100, SP40 500
3 x 1,5	7,3	13,3	76	92	KOT 100, SP40 500



Bezhalogeni teškogorivi signalni kabel s Cu opletom

Halogen-free, flame retardant screened control cable

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek	Vanjski promjer	Otpor vodiča na 20 °C	Cu broj	Težina kabela	Standardno pakiranje*
Construction	Outer diameter	Conductor resistance at 20 °C	Cu weight	Cable weight	Packing*
mm ²	ca. mm	Ω/km	kg/km	ca. kg/km	
3 x 2,5	8,9	7,98	113	141	KOT 100, SP45 500
3 x 4	10,2	4,95	163	200	KOT 100, SP50 500
3 x 6	12,0	3,30	231	282	KOT 100, SP60 500
3 x 10	14,8	1,91	395	459	SP75 500
3 x 16	17,6	1,21	590	672	DB09 500
4 x 0,5	6,5	39,0	47	62	KOT 100, SP40 500
4 x 0,75	6,9	26,0	59	75	KOT 100, SP40 500
4 x 1	7,3	19,5	72	88	KOT 100, SP40 500
4 x 1,5	8,1	13,3	94	115	KOT 100, SP40 500
4 x 2,5	9,9	7,98	142	177	KOT 100, SP45 500
4 x 4	11,3	4,95	207	253	KOT 100, SP50 500
4 x 6	13,3	3,30	295	359	KOT 100, SP60 500
4 x 10	16,3	1,91	503	583	DB09 500
4 x 16	19,7	1,21	759	859	DB10 500
4 x 25	24,7	0,78	1205	1331	DB12 500
5 x 0,5	7,0	39,0	55	75	KOT 100, SP40 500
5 x 0,75	7,4	26,0	70	89	KOT 100, SP40 500
5 x 1	8,2	19,5	85	111	KOT 100, SP40 500
5 x 1,5	8,8	13,3	113	139	KOT 100, SP45 500
5 x 2,5	11,0	7,98	172	218	KOT 100, SP50 500
5 x 4	12,5	4,95	252	312	KOT 100, SP60 500
5 x 6	15,0	3,30	397	452	SP70 500
5 x 10	18,3	1,91	613	726	DB09 500
5 x 16	22,0	1,21	984	1073	DB10 500
7 x 0,5	7,6	39,0	68	90	KOT 100, SP40 500
7 x 0,75	8,2	26,0	88	114	KOT 100, SP40 500
7 x 1	8,8	19,5	108	136	KOT 100, SP40 500
7 x 1,5	9,8	13,3	146	177	KOT 100, SP45 500
7 x 2,5	11,9	7,98	225	274	KOT 100, SP60 500
7 x 4	13,8	4,95	335	401	KOT 100, SP70 500
12 x 0,5	10,0	39,0	105	149	KOT 100, SP45 500
12 x 0,75	10,9	26,0	137	188	KOT 100, SP50 500
12 x 1	11,7	19,5	171	225	KOT 100, SP60 500
12 x 1,5	12,9	13,3	235	292	KOT 100, SP60 500
12 x 2,5	16,2	7,98	406	474	SP75 500
18 x 0,5	11,8	39,0	143	207	KOT 100, SP60 500
18 x 0,75	12,8	26,0	191	261	KOT 100, SP60 500
18 x 1	13,9	19,5	240	322	KOT 100, SP70 500
18 x 1,5	15,6	13,3	371	431	SP75 500
18 x 2,5	19,2	7,98	574	677	DB09 500

* 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



PRIMJENA / APPLICATION

Bezhalogeni signalni kabel s poboljšanim svojstvima u slučaju požara, pogodan za upotrebu u upravljačkim i mjernim krugovima, u industriji, u objektima u kojima se ljudski životi ili vrijedna imovina moraju zaštititi od štete prouzročene požarom. Bakreni oplem služi kao zaštita od elektromagnetskih utjecaja. Pogodan za fiksnu i pomičnu instalaciju, bez mehaničkog naprezanja. Za instaliranje u suhim, vlažnim i mokrim prostorima, ali ne i na otvorenom.

Halogen-free signal cable with improved properties in case of fire, suitable for use in control and measuring circuits, in industry, in facilities where human lives or valuable property must be protected from damage caused by fire. Copper braid serves as protection against electromagnetic impact. Suitable for fixed and mobile installation, without mechanical stress. For installations in dry, humid and wet locations but not outdoors.

BAKRENA UŽAD
COPPER ROPES





Bakreno uže Copper rope EN 60228



PRIMJENA / APPLICATION

Bakreno uže koristi se za uzemljenje u elektroenergetskim mrežama.

Copper rope is used for earthing purposes in electrical installation in heavy current systems.



KONSTRUKCIJA / CONSTRUCTION

Vodič:

Cu (bakreni) vodič, klase 2 (višežični), meko žareni, kompaktirani, prema EN 60228

Conductor:

Copper conductor of class 2 (multi wire stranded), soft annealed, compacted acc. to EN 60228



TEHNIČKI PODACI / TECHNICAL DATA

Norme: EN 60228

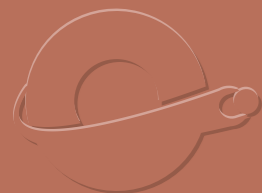
Standards: EN 60228

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek Construction	Konstrukcija Construction		Ukupni promjer Overall diameter	Otpor vodiča na 20 °C Conductor resistance at 20 °C	Težina Weight
mm ²	mm		ca. mm	max. Ω/km	ca. kg/km
10	7	1,35	3,70	1,83	84
16	7	1,70	4,75	1,15	136
25	7	2,10	6,10	0,727	218
35	7	2,50	7,15	0,524	302
50	7	2,90	8,40	0,387	408
50	19	1,81	8,40	0,387	408
70	19	2,14	9,9	0,268	590
95	18	2,72	11,50	0,193	820
120	18	3,0	12,80	0,153	1040

* Pakiranje: DB = uže namotano na standardni bubanj.
U suglasnosti s kupcem moguća je i druga vrsta pakiranja.

*Packing: DB = rope on wooden drum
There is a possibility of another packing in accordance with the customer.



Bakreno nadzemno uže Overhead copper rope DIN VDE 48201:1981 Teil 1 • BS 7884:1997



PRIMJENA / APPLICATION

Bakreno nadzemno uže koristi se uglavnom za nadzemne elektroenergetske vodove.

Hard drawn copper rope is primarily used for overhead lines.



KONSTRUKCIJA / CONSTRUCTION

Vodič:

Cu (bakreni) vodič, klase 2 (višežični), neožareni, prema DIN VDE 48201

Conductor:

Copper conductor of class 2 (multi wire stranded), hard drawn, acc. to DIN VDE 48201



TEHNIČKI PODACI / TECHNICAL DATA

Norme: DIN VDE 48201:1981 Teil 1
BS 7884:1997

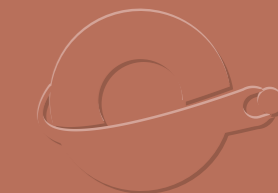
Standards: DIN VDE 48201:1981 Teil 1
BS 7884:1997

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Nazivni presjek Construction	Konstrukcija Construction		Sila kidanja Breaking load (min)	Ukupni promjer Overall diameter	Otpor vodiča na 20 °C Conductor resistance at 20 °C	Maksimalna struja Maximum current	Težina Weight
mm ²	mm		kN	ca. mm	max. Ω/km	A	ca. kg/km
10	7	1,35	4,02	4,1	1,829	90	90
16	7	1,70	6,37	5,1	1,154	125	143
25	7	2,10	9,72	6,3	0,7563	160	218
35	7	2,50	13,77	7,5	0,5337	200	310
50	7	3,0	19,84	9,0	0,3706	250	446
50	19	1,8	19,38	9,0	0,3819	250	437
70	19	2,10	26,38	10,5	0,2806	310	596
95	19	2,5	37,39	12,5	0,1980	380	845

* Pakiranje: DB = uže namotano na standardni bubanj.
U suglasnosti s kupcem moguća je i druga vrsta pakiranja.

*Packing: DB = rope on wooden drum
There is a possibility of another packing in accordance with the customer.



SAVITLJIVE REBRASTE CIJEVI
CORRUGATED ELECTRICAL CONDUITS





Savitljiva rebrasta PP cijev Corrugated PP electrical conduit

IEC 61386-1 • IEC 61386-22



TEHNIČKI PODACI / TECHNICAL DATA

Norma:
Prema IEC 61386-1 ; IEC 61386-22

Materijal:
Specijalna **bezhalogena polipropilenska (PP)** mješavina

Svojstva:
Otpornost na pritisak: **320 N**
Otpornost na udar: **laka**
Temperaturni opseg: **-15°C do +90°C**
Otpornost na vanjske utjecaje: **IP46**
Otpornost na ulja i kemikalije: **da**, na najčešće korištena ulja i kemikalije
UV stabilnost: **ne** (moguća na zahtjev)

Klasifikacijska oznaka: 22322

•••

Standard:
according to the IEC 61386-1 ; IEC 61386-22

Material:
Special **polypropylen (PP)** compound, **halogen-free**

Properties:
Resistance to compression: **320 N**
Resistance to impact: **light**
Temperature range: **-15°C to +90°C**
Resistance to external influences: **IP46**
Oil and chemical resistance: **yes**, to most usual oils and chemicals
UV stability: **no** (available on request)

Classification coding: 22322

•••

*PAKIRANJE / PACKING

kolutovi 25m i 50m u UV zaštićenim vrećama,
kolutovi 25m i 50m na paleti (pakiranje dostupno na zahtjev)

•••

coils 25m and 50m in UV protected bags,
coils 25m and 50m on pallets (packing available on request)

Moguće boje / Colour identification:
● narančasta, RAL 2003 / orange, RAL 2003

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Vrsta Type	Veličina Size	Dimenzije Dimensions of conduits		Pakiranje na paleti Packing on pallet	
		unutarnja min. inside	vanjska outside	kolut coil	ukupno total
	mm	mm	mm	m	m
MIVIFLEX-PP 16	16	10,7	16±0,2	50	300
MIVIFLEX-PP 20	20	14,3	20±0,2	50	300
MIVIFLEX-PP 25	25	18,2	25±0,3	50	300
MIVIFLEX-PP 32	32	24,3	32±0,3	25	150
MIVIFLEX-PP 40	40	31,3	40±0,3	25	125



Savitljiva rebrasta PVC cijev Corrugated PVC electrical conduit

IEC 61386-1 • IEC 61386-22



TEHNIČKI PODACI / TECHNICAL DATA

Norma:
Prema IEC 61386-1 ; IEC 61386-22

Materijal:
Specijalna **samogasiva PVC** mješavina

Svojstva:
Otpornost na pritisak: **320 N**
Otpornost na udar: **laka**
Temperaturni opseg: **-15°C do +60°C**
Otpornost na vanjske utjecaje: **IP46**
Otpornost na ulja i kemikalije: **da**, na najčešće korištena ulja i kemikalije
UV stabilnost: **ne** (moguća na zahtjev)

Klasifikacijska oznaka: 22312

•••

Standard:
according to the EN 61386-1 ; EN 61386-22

Material:
Special **PVC** compound, **flame retardant, self extinguishing**

Properties:
Resistance to compression: **320 N**
Resistance to impact: **light**
Temperature range: **-15°C to +60°C**
Resistance to external influences: **IP46**
Oil and chemical resistance: **yes**, to most usual oils and chemicals
UV stability: **no** (available on request)

Classification coding: 22312

•••

*PAKIRANJE / PACKING

kolutovi 25m i 50m u UV zaštićenim vrećama,
kolutovi 25m i 50m na paleti (pakiranje dostupno na zahtjev)

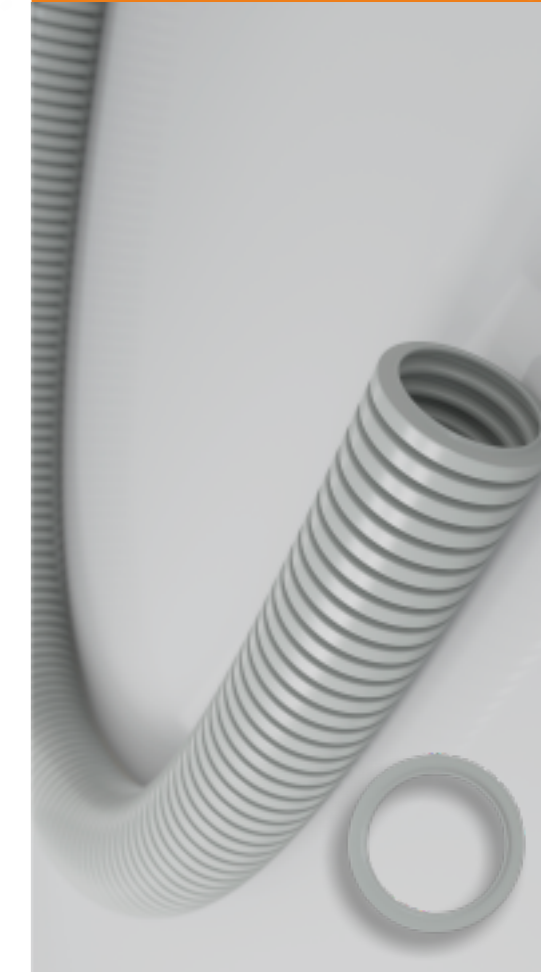
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coils 25m and 50m in UV protected bags,
coils 25m and 50m on pallets (packing available on request)

Moguće boje / Colour identification:
● siva, RAL 7035 / grey, RAL 7035

KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Vrsta Type	Veličina Size	Dimenzije Dimensions of conduits		Pakiranje na paleti Packing on pallet	
		unutarnja min. inside	vanjska outside	kolut coil	ukupno total
	mm	mm	mm	m	m
MIVIFLEX-EX 16	16	10,7	16±0,2	50	300
MIVIFLEX-EX 20	20	14,3	20±0,2	50	300
MIVIFLEX-EX 25	25	18,2	25±0,3	50	300
MIVIFLEX-EX 32	32	24,3	32±0,3	25	125
MIVIFLEX-EX 40	40	31,3	40±0,3	25	100



PRIMJENA / APPLICATION

Savitljiva rebrasta PVC cijev MIVIFLEX-EX koristi se za zaštitu izoliranih vodiča i kabela u niskonaponskim električnim instalacijama. Prikladan je za horizontalno i vertikalno polaganje u suhomontažne zidove, stropove, na i pod žbuku i podove, kao i za instalaciju u razvodne ormare. MIVIFLEX-EX nije prikladan za vanjsku uporabu, osim kada je pri proizvodnji zaštićen od UV zračenja.

•••

Corrugated PVC electrical conduit MIVIFLEX-EX is used for the protection of insulated conductors and cables in low voltage electrical installations. It is suitable for horizontal and vertical laying in hollow wall, ceilings, on and under plaster and floorings, as well as installation in switch cabinets. Not suitable for outdoor use, except when conduit is protected against UV irradiation.



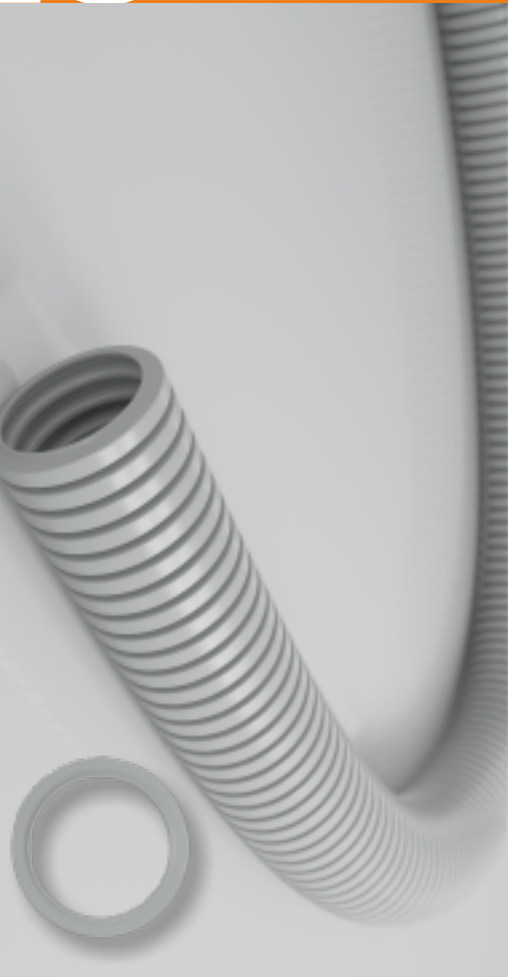
PRIMJENA / APPLICATION

Savitljiva rebrasta PP cijev MIVIFLEX-PP koristi se za zaštitu izoliranih vodiča i kabela u niskonaponskim električnim instalacijama. Prikladan je za horizontalno i vertikalno polaganje u suhomontažne zidove, stropove, na i pod žbuku i podove, kao i za instalaciju u razvodne ormare. MIVIFLEX-PP nije prikladan za vanjsku uporabu, osim kada je pri proizvodnji zaštićen od UV zračenja.

•••

Corrugated PP electrical conduit MIVIFLEX-PP is used for the protection of insulated conductors and cables in low voltage electrical installations. It is suitable for horizontal and vertical laying in hollow wall, ceilings, on and under plaster and floorings, as well as installation in switch cabinets. Not suitable for outdoor use, except when conduit is protected against UV irradiation.





Savitljiva rebrasta PVC cijev Corrugated PVC electrical conduit

IEC 61386-1 • IEC 61386-22



TEHNIČKI PODACI / TECHNICAL DATA

Norma:

Prema IEC 61386-1 ; IEC 61386-22

Materijal:

Specijalna samogasiva PVC mješavina

Svojstva:

Otpornost na pritisak: **750 N**
 Otpornost na udar: **umjerena**
 Temperaturni opseg: **-15°C do +60°C**
 Otpornost na vanjske utjecaje: **IP46**
 Otpornost na ulja i kemikalije: **da**, na najčešće korištena ulja i kemikalije
 UV stabilnost: **ne** (moguća na zahtjev)

Klasifikacijska oznaka: 33312

•••

Standard:

according to the IEC 61386-1 ; IEC 61386-22

Material:

Special PVC compound, **flame retardant, self extinguishing**

Properties:

Resistance to compression: **750 N**
 Resistance to impact: **moderate**
 Temperature range: **-15°C to +60°C**
 Resistance to external influences: **IP46**
 Oil and chemical resistance: **yes**, to most usual oils and chemicals
 UV stability: **no** (available on request)

Classification coding: 33312

•••

*PAKIRANJE / PACKING

kolutovi 25m i 50m u UV zaštićenim vrećama,
 kolutovi 25m i 50m na paleti (pakiranje dostupno na zahtjev)

•••

coils 25m and 50m in UV protected bags,
 coils 25m and 50m on pallets (packing available on request)

Moguće boje / Colour identification:

● siva, RAL 7037 / grey, RAL 7037



PRIMJENA / APPLICATION

Corrugated PVC electrical conduit MIVIFLEX-EXP is used for the protection of insulated conductors and cables in low voltage electrical installations. It is suitable for horizontal and vertical laying in hollow wall, ceilings, in liquid concrete, on and under plaster and floorings, as well as installation in switch cabinets. Not suitable for outdoor use, except when conduit is protected against UV irradiation.

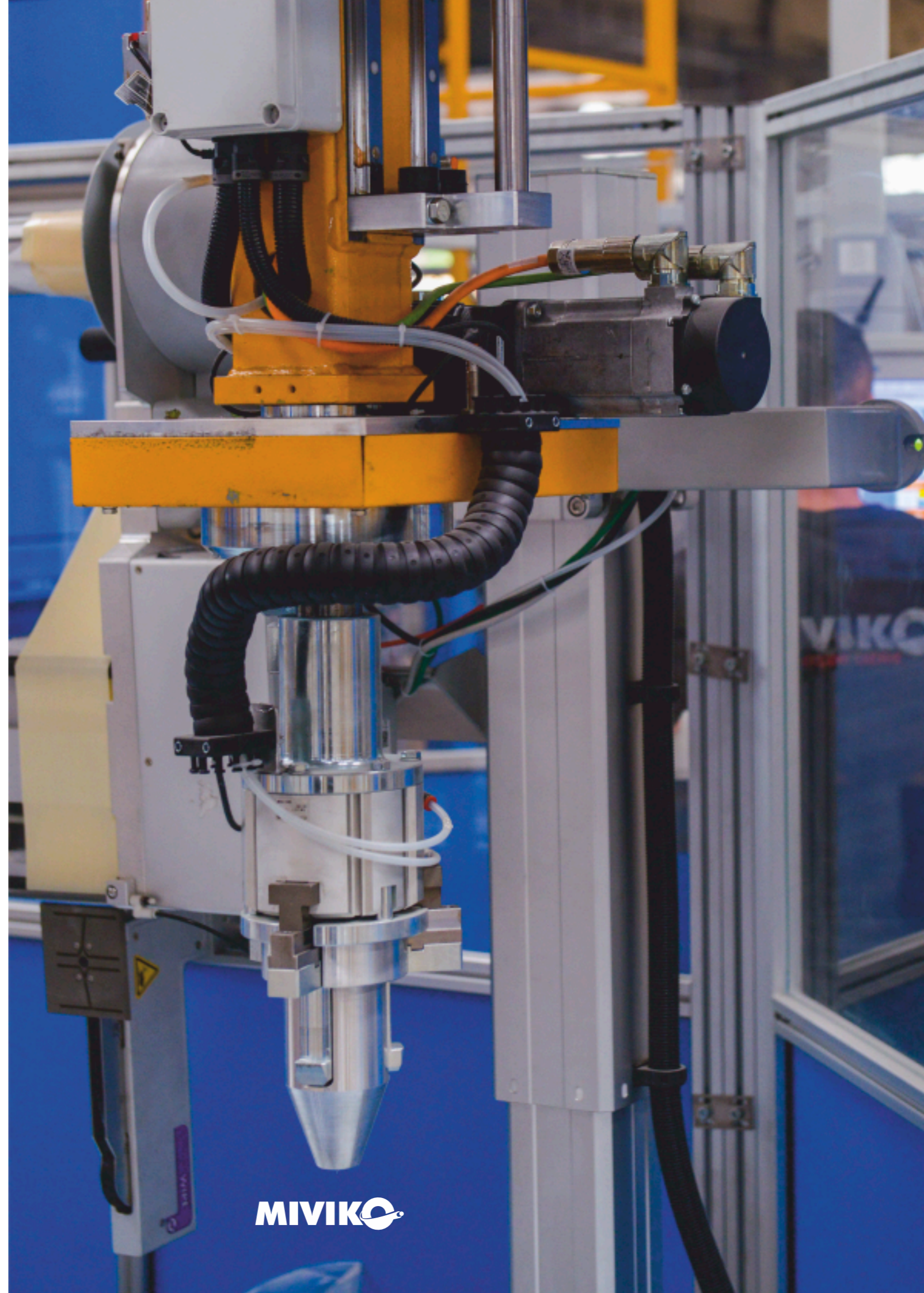
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Corrugated PVC electrical conduit is used for the protection of insulated conductors and cables in electrical installation or in communication system up to 1000V AC. It is used for horizontal installation in concrete, installation in switchboard plant, switch cabinets, and installation of moving machine parts.



KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA

Vrsta Type	Veličina Size	Dimenzije Dimensions of conduits		Pakiranje na paleti Packing on pallet	
		unutarnja min. inside	vanjska outside	kolut coil	ukupno total
	mm	mm	mm	m	m
MIVIFLEX-EXP 16	16	10,7	16±0,2	50	300
MIVIFLEX-EXP 20	20	14,3	20±0,2	50	300
MIVIFLEX-EXP 25	25	18,2	25±0,3	50	300
MIVIFLEX-EXP 32	32	24,3	32±0,3	25	125
MIVIFLEX-EXP 40	40	31,3	40±0,3	25	100





**"Poštovati ugovoreno i uraditi kvalitetno,
prvi i svaki slijedeći put"**

Temeljno načelo iz Politike kvalitete (ISO 9001:2015)

U svijesti je svakog zaposlenika MIVIKO d.o.o. da opstanak, razvoj i profitabilnost tvrtke ovise o pojedinačnom doprinosu u permanentnom poboljšanju učinkovitosti sustava upravljanja kvalitetom.

Najviša kvaliteta i sigurnost proizvoda, sukladnost sa zahtjevima relevantnih normi te trajno usavršavanje i usmjerenost na zadovoljstvo partnera strateške su smjernice tvrtke i odgovornost svakog zaposlenika. Planiranjem svih ključnih poslovnih aktivnosti, kvaliteta proizvoda i usluga tvrtke MIVIKO postaje i ostaje pravilo, a ne slučajnost.

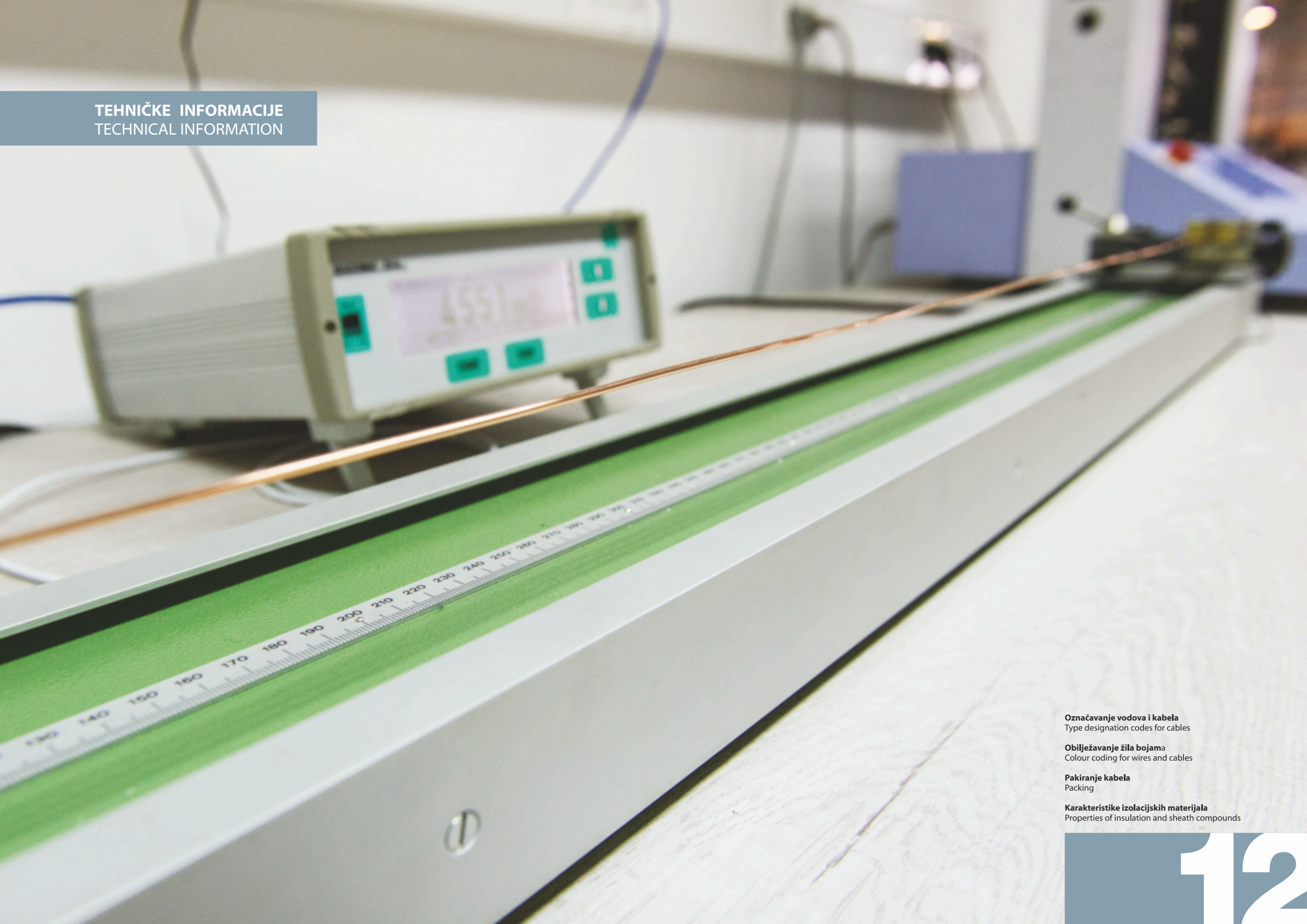
**"To always follow through on our promises and ensure
the highest standards of quality, each and every time."**

The basic principle of MIVIKO's quality policy (ISO 9001:2015)

Every MIVIKO employee keeps in mind the fact that the company's existence, growth and profitability all depend on the contribution that individuals make toward improving the long-term efficiency of our quality management system.

Every employee also has the responsibility of following the company's strategic guidelines, which include: achieving the highest quality and ensuring product safety, complying with requirements as determined by relevant standards, as well as continually improving and focusing on partner satisfaction. Careful planning of key business activities ensures that the quality of MIVIKO products and services becomes the rule rather than the exception.

KVALITETA I OKOLIŠ
QUALITY AND ENVIRONMENT



Označavanje vodova i kabela
Type designation codes for cables

Obilježavanje žila bojama
Colour coding for wires and cables

Pakiranje kabela
Packing

Karakteristike izolacijskih materijala
Properties of insulation and sheath compounds



Označavanje vodova i kabela

Type designation codes for cables

Označavanje harmoniziranih kabela / Designation codes for harmonized cables

1. IDENTIFIKACIJA OZNAKE / IDENTIFICATION OF DESIGNATION	H	03	V	V	C4	R	3	G	1
H Harmonizirani standardi / Harmonized standards	1	2	3	4	5	6	7	8	9
A Autorizirani nacionalni standardi / Authorised national standard									
2. NAZIVNI NAPON / NOMINAL VOLTAGE									
01	100 V								
03	300/300 V								
05	300/500 V								
07	450/750 V								
3. IZOLACIJSKI MATERIJALI / INSULATING MATERIALS									
V	PVC polivinilklorid / PVC Polyvinyl chloride								
V2	PVC polivinilklorid, otporan na visoku temperaturu (90°C) / PVC Polyvinyl chloride, high temperature resistant (90°C)								
V3	PVC polivinilklorid, otporan na nisku temperaturu / PVC Polyvinyl chloride, low temperature resistant								
B	EPR etilenpropilen guma / EPR Ethylene Propylene rubber								
E	PE polietilen / PE Polyethylene								
R	NR/SR prirodna ili umjetna guma / NR/SR Natural or synthetic rubber								
S	SiR - silikonska guma / SiR Silicone rubber								
X	XLPE - umreženi polietilen / XLPE - Cross-linked polyethylene								
4. PLAŠTEVSKI MATERIJALI / SHEATH MATERIAL									
V	PVC polivinilklorid / PVC Polyvinyl chloride								
V2	PVC polivinilklorid, otporan na visoku temperaturu (90°C) / PVC Polyvinyl chloride, high temperature resistant (90°C)								
V3	PVC polivinilklorid, otporan na nisku temperaturu / PVC Polyvinyl chloride, low temperature resistant								
V5	PVC polivinilklorid otporan na ulje / PVC Polyvinyl chloride, oil resistant								
R	NR/SR prirodna ili umjetna guma / NR/SR Natural or synthetic rubber								
N	CR polikloroprenska guma / CR Chloroprene rubber								
Q	PUR poliuretan / PUR Polyurethane								
J	omotač od staklenih vlakana / glass fiber braiding								
T	omotač od tekstila / textile braid over twisted cores								
5. POSEBNE KONSTRUKCIJE / SPECIAL STRUCTURAL FEATURES									
C4	ekran s bakrenim omotačem / copper braided screen								
H	plosnati, djeljivi vod / flat divisible cords (twin cable)								
H2	plosnati, nedjeljivi vod / flat non-divisible cords								
H8	spiralni vod / spiral cords								
6. VRSTA VODIČA / CONDUCTOR TYPE									
U	okrugli, jednožični / round, solid								
R	okrugli, višezični / round, stranded								
K	finožični za fiksno polaganje / flexible, for fixed installation								
F	finožični za savitljive vodove / flexible, for flexible cords								
H	finožični za vrlo savitljive vodove / highly flexible								
Y	tinsel provodnik / tinsel wire								
D	finožični za vodove za zavarivanje / flexible, for welding cables								
E	finožični za vrlo savitljive vodove za zavarivanje / highly flexible, for welding cables								
7. BROJ ŽILA / NUMBER OF CORES									
8. UZEMLJENJE / PROTECTIVE CONDUCTOR									
G	sa zeleno/žutom žilom / with green/yellow core								
X	bez zeleno/žute žile / without green/yellow core								
9. POPREČNI PRESJEK VODIČA U mm² / CONDUCTOR NOMINAL CROSS SECTION IN mm²									

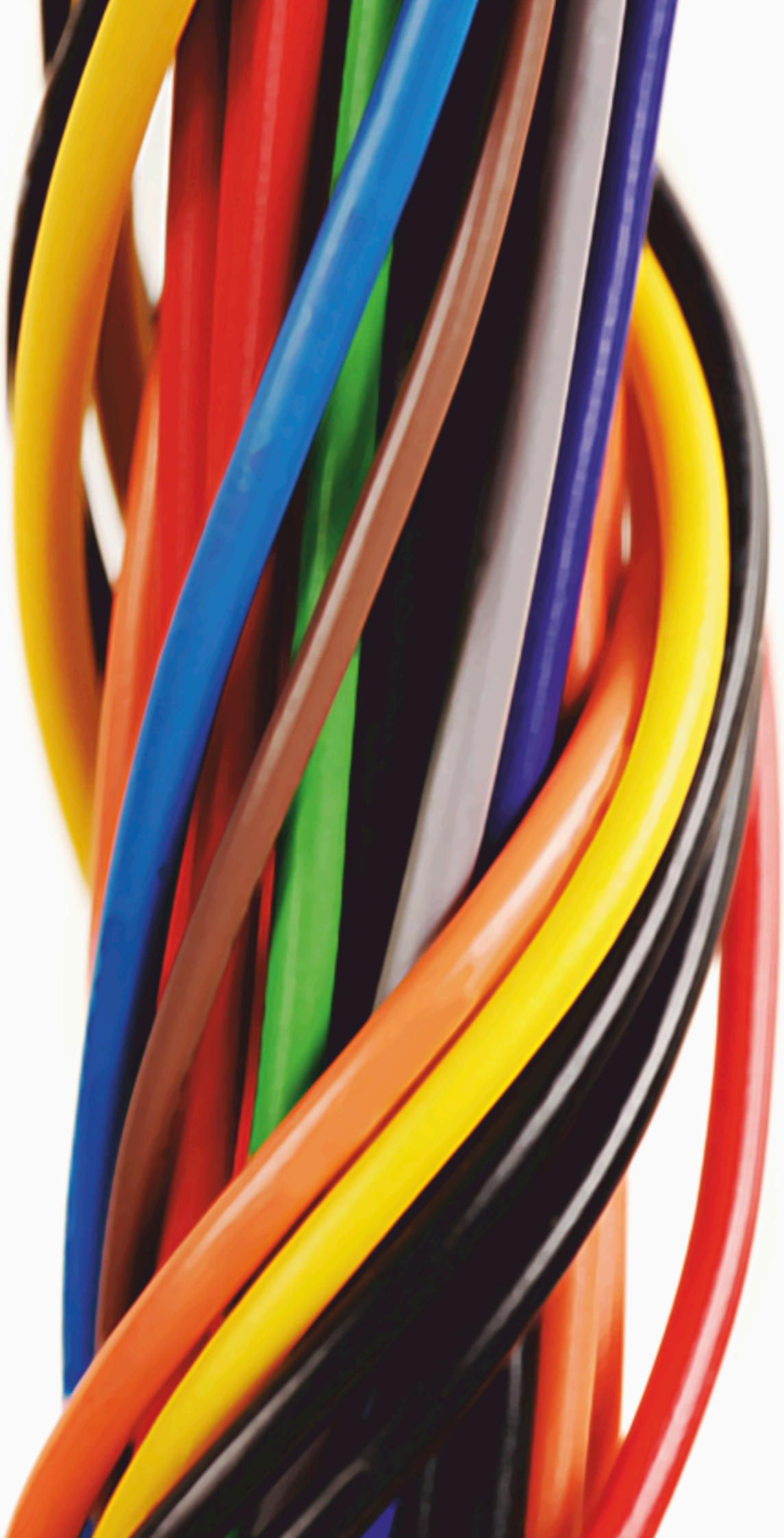


Označavanje vodova i kabela

Type designation codes for cables

Označavanje energetskih kabela / Designation codes for power cables

1. IDENTIFIKACIJA OZNAKE / IDENTIFICATION OF DESIGNATION	N	A	Y	C	S	K	Y	B	Y	-J	4	25	RF
N DIN VDE standard / DIN VDE standard	1	2	3	4	5	6	7	8	9	10	11	12	13
(N) slično DIN VDE standardu / similar to DIN VDE standard													
2. MATERIJAL VODIČA / CONDUCTOR MATERIAL													
bakar / copper conductor													
A aluminij / aluminium conductor													
3. IZOLACIJSKI MATERIJALI / INSULATING MATERIALS													
Y PVC polivinilklorid / PVC Polyvinyl chloride													
2Y PE polietilen / PE Polyethylene													
2X XLPE - umreženi polietilen / XLPE - Cross-linked polyethylene													
4. KONCENTRIČNI VODIČ / CONCENTRIC CONDUCTOR													
C koncentrični bakreni vodič / concentric copper conductor													
CW koncentrični bakreni vodič od bakrenih žica postavljenih u obliku vala sinusoide / concentric copper conductor in waveconal formation													
CE koncentrični bakreni vodič preko svake žile / concentric copper conductor over each core													
5. EKRAN / SCREEN													
S ekran od bakrenih žica / screen of copper wires													
SE ekran od bakrenih žica preko svake žile / screen of copper wires over each core													
6. METALNI PLAŠT / METAL SHEATH													
K olovni plašt / lead sheath													
7. UNUTARNJI PLAŠT / INNER SHEATH													
vidi točku 3. - Izolacijski materijali / see point 3. - Insulating materials													
8. ARMIRANJE / ARMOURING													
B s čeličnom trakom / steel tape													
F s čeličnim plosnatim žicama / flat steel wires													
R s okruglim čeličnim žicama / round steel wires													
G s čeličnim trakama u nasuprotnoj spirali / counter helix steel tape													
9. PLAŠTEVSKI MATERIJAL / SHEATH MATERIAL													
vidi točku 3. - izolacijski materijali / see point 3. - insulating materials													
10. ZAŠITNI VODIČ / PROTECTIVE CONDUCTOR													
-J sa zeleno/žutom žilom / with green/yellow core													
-O bez zeleno/žute žile / without green/yellow core													
11. BROJ ŽILA / NUMBER OF CORES													
12. POPREČNI PRESJEK VODIČA U mm² / CONDUCTOR NOMINAL CROSS SECTION IN mm²													
13. VRSTA VODIČA / CONDUCTOR TYPE													
RE okrugli, jednožični / round, solid conductor													
RM okrugli, višezični / round, stranded conductor													
SE sektorski, jednožični / sector, solid conductor													
SM sektorski, višezični / sector, stranded conductor													



OBILJEŽAVANJE ŽILA BOJAMA
COLOUR CODING FOR WIRES AND CABLES

Kabeli sa zaštitnim vodičem (J) / Cables with protective conductor (J)

2 žile 2 cores	3 žile 3 cores	4 žile 4 cores	5 žila 5 cores	6 i više žila 6 and more cores
	žuto-zelena plava smeđa	žuto-zelena smeđa crna siva	žuto-zelena plava smeđa crna siva	žuto-zelena ostale crne označene bijelim brojevima
	yellow-green blue brown	yellow-green brown black grey	yellow-green blue brown black grey	yellow-green others black with white numbering

(y/g) žuto-zelena / yellow-green • (bl) plava / blue • (bn) smeđa / brown • (bk) crna / black • (gy) siva / grey

Kabeli bez zaštitnog vodiča (0) / Cables without protective conductor (0)

2 žile 2 cores	3 žile 3 cores	4 žile 4 cores	5 žila 5 cores	6 i više žila 6 and more cores
plava smeđa	crna smeđa siva	plava smeđa crna siva	plava smeđa crna siva crna	crne označene bijelim brojevima
blue brown	black brown grey	blue brown black grey	blue brown black grey black	black with white numbering

(bl) plava / blue • (bn) smeđa / brown • (bk) crna / black • (gy) siva / grey





Vodovi i kabeli pakiraju se u koture, lagane drvene bubnjeve i standardne drvene bubnjeve.

Koturi (KOT)

Standardne dužine pakiranja u koturove su 50m i 100m.
Svaki kotur je omotan termoplastičnom folijom i označen etiketom.
Koturovi se slažu na euro palete, omotaju folijom i označe grupnom etiketom.

Lagani drveni bubanj (SP)

Vodovi i kabeli se namataju na lagane drvene bubnjeve u standardnim duljinama od 250m i 500m ili prema zahtjevu.
Nazivni broj bubnja ujedno je i promjer stranice iskazan u dm.

Standardni drveni bubanj (DB)

Vodovi i kabeli se namataju na standardne drvene bubnjeve u duljine 500m i 1000m ili prema zahtjevu.
Nazivni broj bubnja ujedno je i promjer stranice iskazan u dm.

Wires and cables are packed in coils, on plywood reels, or on standard wooden drums.

Coils (KOT)

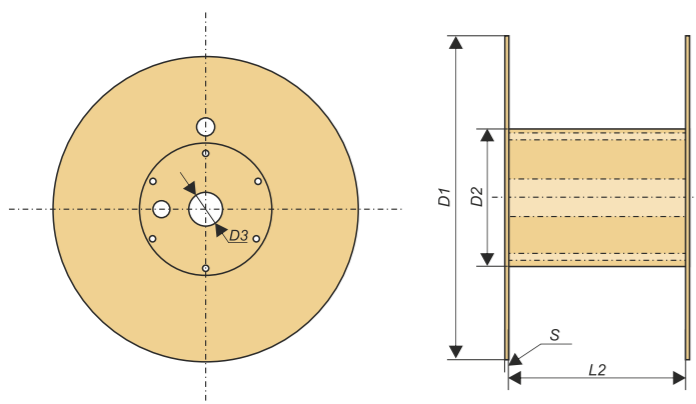
Standard coil lengths are 50m and 100m.
Each coil is wrapped with thermoshrinking foil and labeled.
Coils are layed on standard euro palette, wrapped with stretch foil and labeled as a group.

Plywood reels (SP)

Cords and cables are wound on plywood reels in standard lengths of 250m and 500m or upon request.
Nominal reel number is at the same time the side diameter expressed in dm.

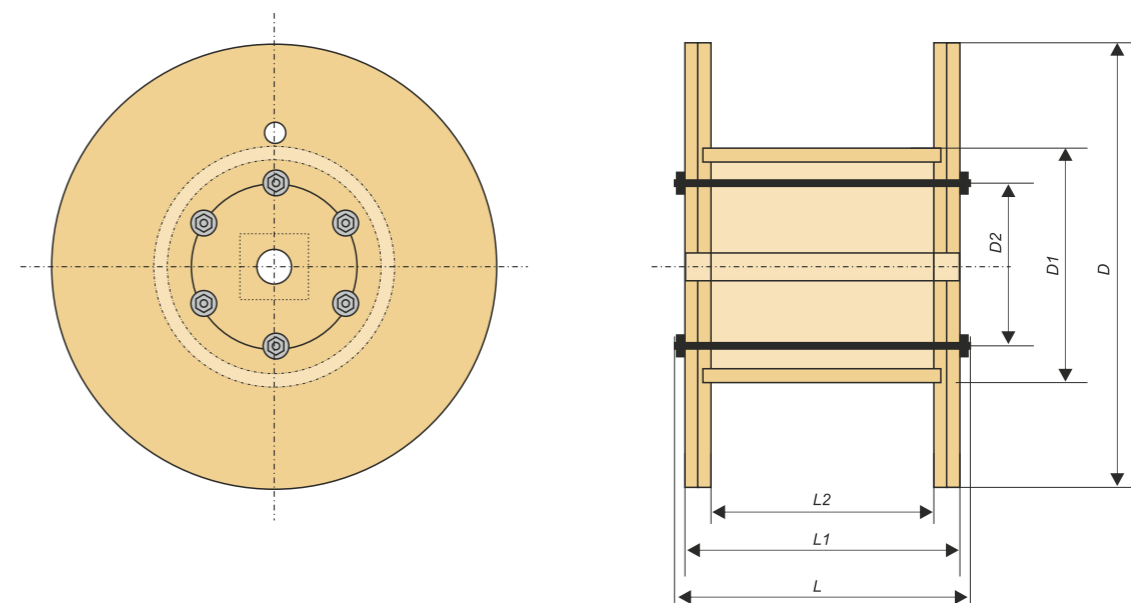
Wooden drums (DB)

Cords and cables are wound on standard wooden drums in lengths of 500m and 1000m, or upon request.
Nominal drum number is at the same time the side diameter expressed in dm.



OSNOVNE ZNAČAJKE STANDARDNIH I LAGANIH DRVENIH BUBNJEVA
BASIC FEATURES OF STANDARD WOODEN DRUMS AND PLYWOOD REELS

Bubanj	Promjer bubnja	Promjer jezgre bubnja	Širina između stranica	Širina bubnja	Nosivost	Težina bubnja	Volumen
Drum	Drum diameter	Drum core diameter	Width between sides	Drum width	Capacity	Drum weight	Volume
	D (mm)	D1 (mm)	L2 (mm)	L (mm)	Kg	Kg	V (mm ³)
DB06	600	300	315	363	200	20	66798114
DB07	700	330	400	448	300	26	119726096
DB08	800	400	400	448	500	36	150796447
DB09	900	450	450	498	750	54	214708223
DB10	1000	500	560	608	900	73	329867229
DB12	1200	600	630	678	1600	104	534384910
DB14	1400	700	730	792	1900	153	842810769
DB16	1600	800	900	962	2800	233	1357168026
DB18	1800	1000	900	1070	3600	311	1583362697
DB20	2000	1000	900	1090	5000	409	2120575041
DB22	2200	1200	1100	1335	6000	616	2937389131
SP40	400	150	400	416	70	2,6	43196899
SP45	450	150	400	416	85	3	56548668
SP50	500	150	400	416	100	3,3	71471233
SP60	600	200	400	424	130	6,2	100530965
SP70	700	312	400	424	160	7,7	123356520
SP75	750	312	400	424	170	8,4	146133067





PAKIRANJE KABELA / PACKING

DUŽINE KABELA PO VELIČINI BUBNJA
CABLE LENGTH PER DRUM SIZE

DB	DB06	DB07	DB08	DB09	DB10	DB12	DB14	DB16	DB18	DB20	DB22	SP40	SP45	SP50	SP60	SP70	SP75
d (mm)	Duljina (m) / Lenght (m)																
3,0												4800					
3,5												3526	4616				
4,0	4175											2700	3534	4467			
4,5	3299											2133	2793	3529	4964		
5,0	2672	4789										1728	2262	2859	4021	4934	
5,5	2208	3958	4985									1428	1869	2363	3323	4078	4831
6,0	1856	3326	4189									1200	1571	1985	2793	3427	4059
6,5	1581	2834	3569	5082								1022	1338	1692	2379	2920	3459
7,0	1363	2443	3077	4382								882	1154	1459	2052	2517	2982
7,5	1188	2128	2681	3817								768	1005	1271	1787	2193	2598
8,0	1044	1871	2356	3355	5154							675	884	1117	1571	1927	2283
8,5	925	1657	2087	2972	4566							598	783	989	1391	1707	2023
9,0	825	1478	1862	2651	4072							533	698	882	1241	1523	1804
9,5	740	1327	1671	2379	3655							479	627	792	1114	1367	1619
10,0	668	1197	1508	2147	3299							432	565	715	1005	1234	1461
10,5	606	1086	1368	1947	2992	4847						392	513	648	912	1119	1325
11,0	552	989	1246	1774	2726	4416						357	467	591	831	1019	1208
11,5	505	905	1140	1624	2494	4041						327	428	540	760	933	1105
12,0	464	831	1047	1491	2291	3711						300	393	496	698	857	1015
12,5	428	766	965	1374	2111	3420						276	362	457	643	789	935
13,0	395	708	892	1270	1952	3162	4987					256	335	423	595	730	865
13,5	367	657	827	1178	1810	2932	4624						310	392	552	677	802
14,0	341	611	769	1095	1683	2726	4300						289	365	513	629	746
14,5	318	569	717	1021	1569	2542	4009						269	340	478	587	695
15,0	297	532	670	954	1466	2375	3746						251	318	447	548	649
15,5	278	498	628	894	1373	2224	3508							297	418	513	608
16,0	261	468	589	839	1289	2087	3292							279	393	482	571
16,5		440	554	789	1212	1963	3096	4985						263	369	453	537
17,0		414	522	743	1141	1849	2916	4696							348	427	506
17,5		391	492	701	1077	1745	2752	4432	5170						328	403	477
18,0		370	465	663	1018	1649	2601	4189	4887						310	381	451
18,5		350	441	627	964	1561	2463	3965	4626						294	360	427
19,0		332	418	595	914	1480	2335	3759	4386						278	342	405
19,5		315	397	565	868	1405	2216	3569	4164						264	324	384
20,0		299	377	537	825	1336	2107	3393	3958						251	308	365
20,5		285	359	511	785	1272	2005	3229	3768	5046						294	348
21,0		271	342	487	748	1212	1911	3077	3590	4809						280	331
21,5		259	326	464	714	1156	1823	2936	3425	4588						267	316
22,0			312	444	682	1104	1741	2804	3271	4381						255	302
22,5			298	424	652	1056	1665	2681	3128	4189							289
23,0			285	406	624	1010	1593	2566	2993	4009							276
23,5			273	389	597	968	1526	2458	2867	3840							265
24,0			262	373	573	928	1463	2356	2749	3682	5100						254
24,5			251	358	550	890	1404	2261	2638	3533	4894						

- Minimalni polumjer savijanja 10 Ø kabela / Minimal bending radius 10 Ø cable
- Minimalni polumjer savijanja 15 Ø kabela / Minimal bending radius 15 Ø cable
- Minimalni polumjer savijanja 20 Ø kabela / Minimal bending radius 20 Ø cable



PAKIRANJE KABELA / PACKING

DUŽINE KABELA PO VELIČINI BUBNJA
CABLE LENGTH PER DRUM SIZE

DB	DB06	DB07	DB08	DB09	DB10	DB12	DB14	DB16	DB18	DB20	DB22	SP40	SP45	SP50	SP60	SP70	SP75
d (mm)	Duljina (m) / Lenght (m)																
25,0				344	528	855	1348	2171	2533	3393	4700						
25,5				330	507	822	1296	2087	2435	3261	4517						
26,0				318	488	791	1247	2008	2342	3137	4345						
26,5				306	470	761	1200	1933	2255	3020	4183						
27,0				295	452	733	1156	1862	2172	2909	4029						
27,5				284	436	707	1114	1795	2094	2804	3884						
28,0				274	421	682	1075	1731	2020	2705	3747						
28,5				264	406	658	1038	1671	1949	2611	3616						
29,0				255	392	635	1002	1614	1883	2521	3493						
29,5					379	614	968	1560	1819	2437	3375						
30,0					367	594	936	1508	1759	2356	3264						
30,5					355	574	906	1459	1702	2280	3158						
31,0					343	556	877	1412	1648	2207	3057						
31,5					332	539	849	1368	1596	2137	2960						
32,0					322	522	823	1325	1546	2071	2869						
32,5					312	506	798	1285	1499	2008	2781						
33,0					303	491	774	1246	1454	1947	2697						
33,5					294	476	751	1209	1411	1890	2617						
34,0					285	462	729	1174	1370	1834	2541						
34,5					277	449	708	1140	1330	1782	2468						
35,0					269	436	688	1108	1293	1731	2398						
35,5					262	424	669	1077	1256	1683	2331						
36,0					255	412	650	1047	1222	1636	2267						
36,5						401	633	1019	1188	1592	2205						
37,0						390	616	991	1157	1549	2146						
37,5						380	599	965	1126	1508	2089						
38,0						370	584	940	1097	1469	2034						
38,5						361	569	916	1068	1431	1982						
39,0						351	554	892	1041	1394	1931						
39,5						342	540	870	1015	1359	1883						
40,0						334	527	848	990	1325	1836						
40,5						326	514	827	965	1293	1791						
41,0						318	501	807	942	1261	1747						
41,5						310	489	788	919	1231	1706						
42,0						303	478	769	898	1202	1665						
42,5						296	467	751	877	1174	1626						
43,0						289	456	734	856	1147	1589						
43,5						282	445	717	837	1121	1552						
44,0						276	435	701	818	1095	1517						
44,5						270	426	685	800	1071	1483						
45,0						264	416	670	782	1047	1451						
45,5						258	407	656	765	1024	1419						
46,0						253	398	641	748	1002	1388						
46,5							390	628	732	981	1358						

- Minimalni polumjer savijanja 10 Ø kabela / Minimal bending radius 10 Ø cable
- Minimalni polumjer savijanja 15 Ø kabela / Minimal bending radius 15 Ø cable
- Minimalni polumjer savijanja 20 Ø kabela / Minimal bending radius 20 Ø cable

**KARAKTERISTIKE IZOLACIJSKIH MATERIJALA**
PROPERTIES OF INSULATION AND SHEATH COMPOUNDS

		PVC	PE/XLPE	EPR/EPDM
Otpor izolacije Insulation resistance	$\Omega \cdot \text{cm}$	10^{13}	10^{16}	10^{14}
Dielektrična permitivnost Dielectric permittivity		4...6	2,3	3...4
Zatezna čvrstoća Tensile strength	N/mm ²	10...20	15...20	5...10
Prekidno istezanje Elongation at break	%	150...350	300	300
Područje taljenja Melting range	°C	>130	>110 / >140	/
Stalna radna temperatura Continuous working temperature	°C	70...105	70 / 90	90
Otpornost na vatru Flame resistance		dobra good	loša poor	umjerena moderate
Otpornost na gorivo Fuel resistance		umjerena moderate	umjerena moderate	umjerena moderate
Otpornost na ulje Oil resistance		dobra good	umjerena moderate	dobra good
Otpornost na kiseline i baze Acid and base resistance		dobra good	dobra good	dobra good
Otpornost na otapala Solvent resistance		umjerena moderate	dobra good	umjerena moderate
Otpornost na vodu Water resistance		dobra good	odlična excellent	dobra good
Vremenska i UV postojanost Weather and UV stability		umjerena / dobra moderate / good	umjerena / dobra moderate / good	dobra good

	PVC	PE/XLPE	EPR/EPDM
Opća svojstva General properties	Dobra dielektrična svojstva kod primjene na niskom naponu i niskim frekvencijama. Good dielectric properties in low voltage and low frequency application.	Odlična dielektrična svojstva dozvoljavaju primjenu kod visokih napona, niskih napona i visokih frekvencija. Mali kapacitet upijanja vode, bezhalogenost. Excellent dielectric properties allow high voltage, low voltage and high frequency applications. Low water absorption capacity, halogenfree.	Bezhalogenost i niska emisija ispuštanja dima u slučaju gorenja. Dobra dielektrična svojstva. Halogenfree and low emission of smoke when affected by fire. Good dielectric properties.
Primjeri upotrebe Application examples	Niskonaponski (<3,6/6 kV) energetski i signalni kabeli, telefonski kabeli za upotrebu u zatvorenom. Klasični materijal za plaštiranje. Low voltage (<3,6/6 kV) power and control cables, telephone indoor cables. The classic sheathing compound.	Niskonaponski i visokonaponski kabeli, širokopolasni koaksijalni kabeli, telefonski kabeli za upotrebu na otvorenom, kabeli za prijenos podataka. Low and high voltage cables, broad-band coaxial cables, telephone outdoor cables, data transmission cables.	Izolacijski materijal za primjenu u niskom i srednjem naponu, osobito za fleksibilne kablove. Insulation material in low and medium voltage applications especially for flexible cables.





HerzKab GmbH je tvrtka-kći modernog, tehnološki vodećeg kablaskog proizvođača iz Bosne i Hercegovine, tvrtke MIVIKO d.o.o., osnovana 2012. godine u Beču, Republika Austrija.

HerzKab je ekskluzivni prodajni kanal MIVIKO d.o.o. na EU tržištu, s osnovnom ulogom pružanja naprednije, poboljšane usluge svojim europskim partnerima i EU tržištu u cjelini, kroz porezne prednosti, multi-jezičnost svojega osoblja, olakšanje uvoznog postupka u EU, brze pred- i post-prodajne usluge te blizinu svojim partnerima.

A ako ste se upitali o značenju složenice HerzKab; ona stoji istovremeno za "Kabeli iz Hercegovine" i "**Kabeli od srca**"....

...

HerzKab GmbH is a subsidiary („daughter“) company of MIVIKO d.o.o., the most technologically advanced cable manufacturer from Bosnia and Herzegovina, founded in 2012 in Vienna, Republic of Austria.

HerzKab is the exclusive EU sales channel of its founder, whose main role is to bring more advanced, improved service to its European customers and EU market in whole, through tax advantages, multi-lingual personnel, service of EU custom clearance, quick pre- and after-sales services and vicinity to the partners.

And if you wonder for what HerzKab stands, it stands for both „Cables from Herzegovina“ and "**Cables from the hearts**"....



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