


**PRIMJENA / APPLICATION**

Kabel je primjeren za industrijsku i kućnu fiksnu instalaciju, za pogonske uvjete gdje postoji opasnost od požara ili eksplozija, za pomična trošila, alatne i poljodjelske strojeve, za gradilišta kod srednjih mehaničkih naprezanja, za velike kotlove, ploče za zagrijavanje, ručne svjetiljke, električne alate kao bušilice, kružne pile i električne alate za kućnu upotrebu kao i za prijenosne motore ili strojeve na gradilištima te u obrtničkim odnosno poljoprivrednim pogonima. Dopusšteno je čvrsto polaganje na elemente dizalica, strojeva itd. Dopusteni su naponi do 750 V AC pri zaštićenom polaganju u cijevi ili aparate te kao priključni vod rotora za motore. Može se koristiti i za rashladne instalacije. Otporan je na ulje, ozon i ultraljubičasto zračenje

Used for medium and heavy mechanical loads, in dry and wet areas, also outdoor. Could be installed under or on plaster, in rocks, concrete, but not in pre-stressed concrete. Cable suitable for fixed industrial and home installation, for operating conditions with possible fire or explosion hazard, for mobile energy users, machine tools and agricultural machines, for construction sites at medium mechanical loads, for large kettles, heating plates, hand lamps, electrical tools such as drills, circular saws and electrical tools for household use, same as for mobile engines or machines on construction sites and craftsman i.e. agricultural plants. Permitted fixed laying on crane and machine elements etc. Permitted voltages up to 750 V AC at protected laying in tubes or devices, and as connecting rotor cable for engines. Also suitable for cooling installations. Resistant to oil, ozone and UV radiation.


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

HRN EN 50525-2-21 • EN 50525-2-21 • IEC 60245


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

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

**Izolacija**

gumena mješavina (EPM, prije EPR), tip E14, prema EN 50363-1

**Plašt**

gumena mješavina na temelju polikloroprena (CR), tip EM2 prema EN 50363-2-1

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**Conductor**

bare copper conductor, fine wired stranded, class 5 acc. to EN 60228

**Insulation**

rubber compound on ethylene-propylene basis (EPM, earlier: EPR), type E14 acc. to EN 50363-1

**Sheath**

rubber compound on poly-chloroprene basis (CR), type EM2 acc. to EN 50363-2-1


**TEHNIČKI PODACI / TECHNICAL DATA**
**Ekvivalenti:** GN/J prema standardu HRN N.C3.502  
 GMS prema standardu ÖVE K 40

**Norme:** HRN EN 50525-2-21  
 EN 50525-2-21  
 IEC 60245

**Nazivni napon:** U<sub>0</sub>/U = 450/700 V  
**Ispitni napon:** 2500 V

**Granični temperaturni uvjeti:**

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

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

**Minimalni polumjer savijanja:** 4xØ kabela

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

**Standards:** HRN EN 50525-2-21  
 EN 50525-2-21  
 IEC 60245

**Nominal voltage:** U<sub>0</sub>/U = 450/700 V  
**Test voltage:** 2500 V

**Temperature range:**

 Minimum temperature during installation: -25° C  
 Fixed installed: -25° C do +60° C  
 At short circuit of max. 5s: 20° C

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

**Minimal inner bending radius:** 4xØ cable

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**KONSTRUKCIJSKI PODACI / CONSTRUCTION DATA**

Nazivni presjek Construction	Vanjski promjer Outer diameter	Otpor vodiča na 20 °C Conductor resistance at 20 °C	Cu broj Cu weight	Težina kabela Cable weight	Standardno pakiranje* Cable Packing*
mm <sup>2</sup>	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