

# H05VVC4V5-K



**Primena:** Fleksibilni energetski komandno-instrumentalni kabl za industriju i mašinsko okruženje sa povećanim zahtevima na elektromagnetnu kompatibilnost. Kabl je otporan na većinu uobičajnih hemikalija, ulja i maziva.

**Application:** Flexible power, process control and instrumentation cable for industry and machinery environment with increased requirements to electromagnetic compatibility. The cable is resistant against most usual chemicals, oil and grease.

Materijal provodnika:	bakar
Konstrukcija provodnika:	klasa 5
Izolacija:	PVC Y12
Materijal unutrašnjeg plašta:	PVC
Ekran:	Cu-pletunica, kalajisana
Pokrivenost ekrana:	70 %
Materijal plašta:	PVC TM2
Boja spoljnog plašta:	siva RAL 7001
Otpornost na plamen:	VDE 0482-332-1-2/IEC 60332-1
Otpornost na ulja:	EN 60811-2-1
Maksimalna temperatura u provodniku:	70 °C
Maksimalna temperatura tokom rada:	-40 - +70 °C
Dozvoljena temperatura tokom poleganja:	-5 - +70 °C
Radius savijanja tokom rada:	6 x DA
Radius savijanja, tokom kretanja u radu:	20 x DA
Nominalni naponski nivo U <sub>o</sub> :	300 V
Nominalni naponski nivo U:	500 V

Conductor material:	bare copper
Conductor construction:	fine stranded, class 5
Insulation:	PVC Y12
Inner sheath:	PVC
Screen:	Cu-braid, tinned
Screen coverage:	70 %
Sheathing material:	PVC TM2
Color of outer sheath:	gray RAL 7001
Flame retardant:	VDE 0482-332-1-2/IEC 60332-1
Oil resistant:	EN 60811-2-1
Maximum temperature at conductor:	70 °C
Maximum operating temperature, fixed:	-40 - +70 °C
Temperature, moved/during installation:	-5 - +70 °C
Bending radius, fixed installation:	6 x DA
Bending radius, moved application:	20 x DA
Nominal voltage U <sub>o</sub> :	300 V
Nominal voltage U:	500 V

H05VVC4V5-K													
Naziv kabla	Presek	Boja	OP	Da	CU	T	Naziv kabla	Presek	Boja	OP	Da	CU	T
Cable name	Cross section	Color	Ω/km	mm	kg/km	kg/km	Cable name	Cross section	Color	Ω/km	mm	kg/km	kg/km
H05VVC4V5-K	02X0,5	siva / gray	39	8,1	32	90	H05VVC4V5-K	07G0,5	siva / gray	39	11,4	86	199
H05VVC4V5-K	03G0,5	siva / gray	39	8,4	36	109	H05VVC4V5-K	08G0,5	siva / gray	39	12,5	72	211
H05VVC4V5-K	04G0,5	siva / gray	39	9,1	58	126	H05VVC4V5-K	09G0,5	siva / gray	39	12,5	80	230
H05VVC4V5-K	05G0,5	siva / gray	39	10,1	48	156	H05VVC4V5-K	12G0,5	siva / gray	39	13,5	105	280
H05VVC4V5-K	06G0,5	siva / gray	39	10,7	58	176	H05VVC4V5-K	14G0,5	siva / gray	39	14,2	114	302

Signalno - kontrolni kablovi / Signal and control cables

Naziv kabla	Presek	Boja	OP	Da	CU	T
Cable name	Cross section	Color	$\Omega$ /km	mm	kg/km	kg/km
H05VVC4V5-K	18G0,5	siva / gray	39	15,8	170	400
H05VVC4V5-K	25G0,5	siva / gray	39	18,6	268	554
H05VVC4V5-K	27G0,5	siva / gray	39	18,6	236	599
H05VVC4V5-K	34G0,5	siva / gray	39	20,8	298	649
H05VVC4V5-K	36G0,5	siva / gray	39	20,8	317	620
H05VVC4V5-K	41G0,5	siva / gray	39	23,1	349	770
H05VVC4V5-K	42G0,5	siva / gray	39	23,1	349	720
H05VVC4V5-K	50G0,5	siva / gray	39	25,1	470	966
H05VVC4V5-K	61G0,5	siva / gray	39	26,8	530	1122
H05VVC4V5-K	65G0,5	siva / gray	39	28,4	563	1198
H05VVC4V5-K	03G0,75	siva / gray	26	9,1	55	125
H05VVC4V5-K	04G0,75	siva / gray	26	10,3	67	150
H05VVC4V5-K	05G0,75	siva / gray	26	11	79	180
H05VVC4V5-K	07G0,75	siva / gray	26	12,4	109	230
H05VVC4V5-K	12G0,75	siva / gray	26	15,2	184,5	310
H05VVC4V5-K	18G0,75	siva / gray	26	18,2	257,3	470
H05VVC4V5-K	25G0,75	siva / gray	26	21,5	318,6	640
H05VVC4V5-K	03G1	siva / gray	19,5	9,6	75	140
H05VVC4V5-K	04G1	siva / gray	19,5	10,7	86	170
H05VVC4V5-K	05G1	siva / gray	19,5	11,4	102	200
H05VVC4V5-K	07G1	siva / gray	19,5	12,9	127	230
H05VVC4V5-K	12G1	siva / gray	19,5	16,9	198	410
H05VVC4V5-K	18G1	siva / gray	19,5	19,4	303,6	550

Naziv kabla	Presek	Boja	OP	Da	CU	T
Cable name	Cross section	Color	$\Omega$ /km	mm	kg/km	kg/km
H05VVC4V5-K	25G1	siva / gray	19,5	22,8	411,9	735
H05VVC4V5-K	34G1	siva / gray	19,5	24,1	500	920
H05VVC4V5-K	36G1	siva / gray	19,5	23,8	511	1001
H05VVC4V5-K	48G1	siva / gray	19,5	23,8	656	1270
H05VVC4V5-K	50G1	siva / gray	19,5	28,9	736	1290
H05VVC4V5-K	65G1	siva / gray	19,5	32,4	914	1510
H05VVC4V5-K	02X1,5	siva / gray	0,554	11,6	69	143
H05VVC4V5-K	03G1,5	siva / gray	13,3	10,7	95	180
H05VVC4V5-K	04G1,5	siva / gray	13,3	11,5	116	200
H05VVC4V5-K	05G1,5	siva / gray	13,3	12,1	130	235
H05VVC4V5-K	07G1,5	siva / gray	13,3	14,1	218	330
H05VVC4V5-K	12G1,5	siva / gray	13,3	18	309,7	470
H05VVC4V5-K	18G1,5	siva / gray	13,3	20,8	411,4	680
H05VVC4V5-K	25G1,5	siva / gray	13,3	25	546,5	930
H05VVC4V5-K	34G1,5	siva / gray	13,3	26,3	754	1353
H05VVC4V5-K	03G2,5	siva / gray	7,98	12	148	240
H05VVC4V5-K	04G2,5	siva / gray	7,98	13,1	163	290
H05VVC4V5-K	05G2,5	siva / gray	7,98	14,2	200	340
H05VVC4V5-K	07G2,5	siva / gray	7,98	16,3	288,9	465
H05VVC4V5-K	12G2,5	siva / gray	7,98	24,3	517	748
H05VVC4V5-K	18G2,5	siva / gray	7,98	25,6	598	1051
H05VVC4V5-K	25G2,5	siva / gray	7,98	29,3	897	1380

**Objašnjenje oznaka**

- OP** Otpor provodnika  
**Da** Spoljni dijametar  
**CU** Težina bakra u kablju  
**T** Ukupna težina kabla

**Labels explanation**

- OP** Conductor resistance  
**Da** Outer diameter  
**CU** Copper weight  
**T** Total weight

Identifikacija žila	H05VVC4V5-K				
Core identification	H05VVC4V5-K				
žile	Boje				
cores	Colors				
2	pl/bl	br/bw			
3	br/bw	cr/bc	si/gr		
4	pl/bl	br/bw	cr/bc	si/gr	
5	pl/bl	br/bw	cr/bc	si/gr	cr/bc
5+	cr/bc	+ obeležavanje brojevima + numbering			

**Objašnjenje boja**
**Color explanation**

- |           |       |           |       |
|-----------|-------|-----------|-------|
| <b>cr</b> | crna  | <b>bc</b> | black |
| <b>pl</b> | plava | <b>bl</b> | blue  |
| <b>br</b> | braon | <b>bw</b> | brown |
| <b>si</b> | siva  | <b>gr</b> | gray  |