

## Datasheet Version 1/2009 H07V-K ( Yf ) PVC Insulated Single Core Wire

**Application:** For indoor fixed installations in dry locations, in electrical equipment, switchboards and distributors. Should be installed in surface mounted or embedded conduits, for protected fixed installations in or on lighting fittings. Suitable for installations in machines for nominal voltages up to 1.000 V alternating current or up to 750 V to earth direct current. Cannot be used for installations under the wall surface.



**Construction:** 1 ..... fine-stranded bare copper  
2 ..... PVC insulation

**Information:** two coloured construction on enquiry

**According to:** DIN VDE 0281-3  
DIN EN 60228 Class 5 (construction)

### Technical data:

Nominal voltage U <sub>0</sub> /U	[V]	450 / 750 Volt
Test voltage	[V] <sub>Ac</sub>	2500
Temperature range	in motion	+5 °C till +70 °C
Operating temperature	short circuit	160
Short circuit time	max.	[sec] 5
Bending radius	min.	x diameter 4,0
Flammability	standard	EN 60332-1-2

Nominal cross section mm <sup>2</sup>	Colours	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
1,5	bk/bl/br	15	30 x 0,26	3,1	21
	yg/dbl/lbl/gr/vi	15	30 x 0,26	3,1	21
	wt/or/gn/ye/rd/pk/nat	15	30 x 0,26	3,1	21
	bl/ye/blbk/blwt/grgn	15	30 x 0,26	3,1	21
	rdbk/rdgn/rdwt/bkwt	15	30 x 0,26	3,1	21
2,5	bk/bl/br	25	50 x 0,26	3,7	32
	yg/dbl/lbl/sbl/gr/lgr	25	50 x 0,26	3,7	32
	vi/wt/or/gn/ye/rd	25	50 x 0,26	3,7	32
	pk/blwt/rdwt	25	50 x 0,26	3,7	32
4	bk/bl/br/yp	40	56 x 0,31	4,3	47
	dbl/lbl/gr/vi/wt	40	56 x 0,31	4,3	47
	or/gn/ye/rd/blwt/rdwt	40	56 x 0,31	4,3	47
6	bk/bl/br	60	84 x 0,31	4,9	67
	gy/lbl/gr/vi	60	84 x 0,31	4,9	67
	wt/gn/ye/rd	60	84 x 0,31	4,9	67
10	bk/bl/br	100	80 x 0,41	6,2	115
	yg/lbl/gr/vi/rd	100	80 x 0,41	6,2	115
16	bk/bl/br	160	128 x 0,41	7,4	175
	yg/lbl/gr/rd	160	128 x 0,41	7,4	175
25	bk	250	200 x 0,41	9,3	280
	bl/br/yp/lbl/rd	250	200 x 0,41	9,3	280

## Datasheet Version 1/2009

Nominal cross section mm <sup>2</sup>	Colours	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
35	<b>bk</b>	350	280 x 0,41	10,7	375
	<b>bl/br/yp/lbl/rd</b>	350	280 x 0,41	10,7	375
50	<b>bk</b>	500	400 x 0,41	12,7	550
	<b>bl/yp</b>	500	400 x 0,41	12,7	550
70	<b>bk</b>	700	356 x 0,51	14,8	760
	<b>bl/yp</b>	700	356 x 0,51	14,8	760
95	<b>bk</b>	950	485 x 0,51	16,7	1.020
	<b>yp</b>	950	485 x 0,51	16,7	1.020
120	<b>bk</b>	1.200	614 x 0,51	18,4	1.270
	<b>yp</b>	1.200	614 x 0,51	18,4	1.270
150	<b>bk</b>	1.500	765 x 0,51	20,5	1.600
	<b>yp</b>	1.500	765 x 0,51	20,5	1.600
185	<b>bk</b>	1.850	944 x 0,51	22,8	1.960
240	<b>bk</b>	2.400	1225 x 0,51	25,9	2.550