

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

Standards: DIN VDE 0281-3
DIN EN 60228 Class 5 (construction)

Technical data:

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

Nominal cross section mm ²	Colours	Copper figure kg/km	Cond. construction (appr.value) mm	Overall diameter appr. mm	Weight appr. kg/km
one coloured and yg					
1,5	bk/bl/br	14,4	30 x 0,26	3,1	21
	yg/dbl/gy/vi/wt	14,4	30 x 0,26	3,1	21
	or/gn/ye/rd/pk/nat	14,4	30 x 0,26	3,1	21
2,5	bk/bl/br	24,0	50 x 0,26	3,7	32
	yg/dbl/gr/vi	24,0	50 x 0,26	3,7	32
	wt/or/gn/ye/rd/pk	24,0	50 x 0,26	3,7	32
4	bk/bl/br	38,4	56 x 0,31	4,3	47
	yg/dbl/gr/vi	38,4	56 x 0,31	4,3	47
	wt/gn/rd/ye	38,4	56 x 0,31	4,3	47
6	bk/bl/br	57,6	84 x 0,31	4,9	67
	yg/lbl/gr/dbl	57,6	84 x 0,31	4,9	67
	vi/wt/gn/ye/rd	57,6	84 x 0,31	4,9	67
10	bk/bl/br	96,0	80 x 0,41	6,2	115
	yg/bl/gr/vi/or/rd/wt	96,0	80 x 0,41	6,2	115
16	bk/bl/br	153,6	128 x 0,41	7,4	175
	yg/bl/gr/rd/gn	153,6	128 x 0,41	7,4	175
25	bk	240,0	200 x 0,41	9,3	280
	bl/br/yp/rd/wt	240,0	200 x 0,41	9,3	280
35	bk	336,0	280 x 0,41	10,7	375
	bl/br/yp/rd	336,0	280 x 0,41	10,7	375
50	bk	480,0	400 x 0,41	12,7	550
	bl/yp/rd	480,0	400 x 0,41	12,7	550

Nominal cross section mm ²	Colours	Copper figure	Cond. construction	Overall diameter	Weight
		kg/km	(appr. value) mm	appr. mm	appr. kg/km
70	bk	672,0	356 x 0,51	14,8	760
	bl/yg	672,0	356 x 0,51	14,8	760
95	bk	912,0	485 x 0,51	16,7	1.020
	bl/yg/rd	912,0	485 x 0,51	16,7	1.020
120	bk	1.152,0	614 x 0,51	18,4	1.270
	yg	1.152,0	614 x 0,51	18,4	1.270
150	bk	1.440,0	765 x 0,51	20,5	1.600
	yg	1.440,0	765 x 0,51	20,5	1.600
185	bk	1.776,0	944 x 0,51	22,8	1.960
	yg	1.776,0	944 x 0,51	22,8	1.960
240	bk	2.304,0	1225 x 0,51	25,9	2.550
	yg	2.304,0	1225 x 0,51	25,9	2.550
two coloured constuction					
1,5	blye/blbk/blwt	14,4	30 x 0,26	3,1	21
	gygn/rdbk/rdgn	14,4	30 x 0,26	3,1	21
	rdwt/bkwt	14,4	30 x 0,26	3,1	21
2,5	blwt/rdwt	24,0	50 x 0,26	3,7	32
4	blwt/rdwt	38,4	56 x 0,31	4,3	47