

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.	[sec] 5
Bending radius	min.	x diameter 4,0
Flammability	standard	EN 60332-1-2

Nominal cross section mm ²	Nominal Colours	Copper figure kg/km	Cond. construction (appr.value) mm	Overall diameter appr. mm	Weight appr. kg / km
Onecoloured and yellow-green					
1,5	bk/bl/br	15	30 x 0,26	3,1	21
	yg/dbl/gy/vi/wt	15	30 x 0,26	3,1	21
	or/gn/ye/rd/pk/nat	15	30 x 0,26	3,1	21
2,5	bk/bl/br	25	50 x 0,26	3,7	32
	yg/dbl/gr/vi	25	50 x 0,26	3,7	32
	wt/or/gn/ye/rd/pk	25	50 x 0,26	3,7	32
4	bk/bl/br	40	56 x 0,31	4,3	47
	yg/dbl/gr/vi	40	56 x 0,31	4,3	47
	wt/gn/rd/ye	40	56 x 0,31	4,3	47
6	bk/bl/br	60	84 x 0,31	4,9	67
	yg/lbl/gr/dbl	60	84 x 0,31	4,9	67
	vi/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/bl/gr/vi/or/rd/wt	100	80 x 0,41	6,2	115
16	bk/bl/br	160	128 x 0,41	7,4	175
	yg/bl/gr/rd/gn	160	128 x 0,41	7,4	175
25	bk	250	200 x 0,41	9,3	280
	bl/br/yp/rd/wt	250	200 x 0,41	9,3	280
35	bk	350	280 x 0,41	10,7	375
	bl/br/yp/rd	350	280 x 0,41	10,7	375
50	bk	500	400 x 0,41	12,7	550
	bl/yp/rd	500	400 x 0,41	12,7	550



Nominal cross section mm ²	Colours	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
70	bk	700	356 x 0,51	14,8	760
	bl/yg	700	356 x 0,51	14,8	760
95	bk	950	485 x 0,51	16,7	1.020
	bl/yg/rd	950	485 x 0,51	16,7	1.020
120	bk	1.200	614 x 0,51	18,4	1.270
	yg	1.200	614 x 0,51	18,4	1.270
150	bk	1.500	765 x 0,51	20,5	1.600
	yg	1.500	765 x 0,51	20,5	1.600
185	bk	1.850	944 x 0,51	22,8	1.960
	yg	1.850	944 x 0,51	22,8	1.960
240	bk	2.400	1225 x 0,51	25,9	2.550
	yg	2.400	1225 x 0,51	25,9	2.550

two coloured constuction

1,5	bl/ye/blbk/blwt	15	30 x 0,26	3,1	21
	gygn/rdbk/rdgn	15	30 x 0,26	3,1	21
	rdwt/bkwt	15	30 x 0,26	3,1	21
2,5	blwt/rdwt	25	50 x 0,26	3,7	32
4	blwt/rdwt	40	56 x 0,31	4,3	47