

H07V-K

Application

Flexible insulated conductor used for laying in electric-installation tubes, under and on plaster installation in dry rooms and in closed installation conduits. Direct laying in cable guides is not permitted. Also applied for internal wiring of distribution and switching boxes equipment, same as for protective laying for lighting of nominal voltage up to 1000 V alternating current, or up to 750 V direct current against earth.

Cable Structure & Features

Conductor material	Bare copper conductor, fine wired stranded,
Conductor class	Class 5. acc. to IEC 60228 /HD 383 / DIN VDE 0295
Core insulation	PVC
Core colour	Black (BK), Red, Yellow (YEL), Light Blue, Dark Blue, Green/Yellow (G/Y), Grey, White (WH), Brown (BRN), Orange (ORG), Violet (VL)

Special Features / Remarks

- Largely resistant to acids, bases and usual oils
- Self-extinguishing and flame-retardant
- No direct laying on pallets, in channels or trays (exceptional as potential compensation)
- Conform to RoHS
- Conform to 73/23/EWG-Guideline CE

Technical Data

Standard approvals	DIN VDE 0281 part3/HD21.3 S3 HAR
Rated voltage	H05V-K 300/500V (0.5mm ² -1.0mm ²) H07V-K 450/750V (1.5mm ² -240mm ²)
Testing voltage	H05V...2kV; H07V...2.5kV
conductor resistance	Acc. to DIN VDE 0295 resp. IEC 60228
Min. bending radius fixed	10 x d
Min. bending radius Moved	15 x d
Operating temp	Fixed: -30°C / +70°C Moved: -5°C / +70°C
Burning behavior	IEC 60332-1

Item No.	Dim. nxmm ²	Colour	Outer Ø mm	Copper weight	Weight kg/km
9031011101	0.5	BLACK	2.5	4.8	7.5
9031011102	0.5	LIGHT BLUE	2.5	4.8	7.5
9031011103	0.5	BROWN	2.5	4.8	7.5
9031011104	0.5	DARK BLUE	2.5	4.8	7.5
9031011106	0.5	GREEN / YELLOW	2.5	4.8	7.5
9031011107	0.5	GREY	2.5	4.8	7.5
9031011108	0.5	ORANGE	2.5	4.8	7.5
9031011110	0.5	RED	2.5	4.8	7.5
9031011113	0.5	VIOLET	2.5	4.8	7.5
9031011114	0.5	WHITE	2.5	4.8	7.5
9031011115	0.5	YELLOW	2.5	4.8	7.5

Item No.	Dim. nxmm ²	Colour	Outer Ø mm	Copper weight	Weight kg/km
9031011201	0.75	BLACK	2.7	7.2	10.5
9031011202	0.75	LIGHT BLUE	2.7	7.2	10.5
9031011203	0.75	BROWN	2.7	7.2	10.5
9031011204	0.75	DARK BLUE	2.7	7.2	10.5
9031011206	0.75	GREEN / YELLOW	2.7	7.2	10.5
9031011207	0.75	GREY	2.7	7.2	10.5
9031011208	0.75	ORANGE	2.7	7.2	10.5
9031011210	0.75	RED	2.7	7.2	10.5
9031011213	0.75	VIOLET	2.7	7.2	10.5
9031011214	0.75	WHITE	2.7	7.2	10.5
9031011215	0.75	YELLOW	2.7	7.2	10.5

Item No.	Dim. nxmm ²	Colour	Outer Ø mm	Copper weight	Weight kg/km
9031011401	1.0	BLACK	2.8	9.6	15
9031011402	1.0	LIGHT BLUE	2.8	9.6	15
9031011403	1.0	BROWN	2.8	9.6	15
9031011404	1.0	DARK BLUE	2.8	9.6	15
9031011406	1.0	GREEN / YELLOW	2.8	9.6	15
9031011407	1.0	GREY	2.8	9.6	15
9031011408	1.0	ORANGE	2.8	9.6	15
9031011410	1.0	RED	2.8	9.6	15
9031011413	1.0	VIOLET	2.8	9.6	15
9031011414	1.0	WHITE	2.8	9.6	15
9031011415	1.0	YELLOW	2.8	9.6	15
9051011601	1.5	BLACK	3.4	14.4	22
9051011602	1.5	LIGHT BLUE	3.4	14.4	22
9051011603	1.5	BROWN	3.4	14.4	22
9051011604	1.5	DARK BLUE	3.4	14.4	22
9051011606	1.5	GREEN / YELLOW	3.4	14.4	22
9051011607	1.5	GREY	3.4	14.4	22
9051011608	1.5	ORANGE	3.4	14.4	22
9051011610	1.5	RED	3.4	14.4	22
9051011613	1.5	VIOLET	3.4	14.4	22
9051011614	1.5	WHITE	3.4	14.4	22
9051011615	1.5	YELLOW	3.4	14.4	22
9051011701	2.5	BLACK	4.1	24	30
9051011702	2.5	LIGHT BLUE	4.1	24	30
9051011703	2.5	BROWN	4.1	24	30
9051011704	2.5	DARK BLUE	4.1	24	30
9051011706	2.5	GREEN / YELLOW	4.1	24	30
9051011707	2.5	GREY	4.1	24	30
9051011708	2.5	ORANGE	4.1	24	30
9051011710	2.5	RED	4.1	24	30
9051011713	2.5	VIOLET	4.1	24	30

Item No.	Dim. nxmm ²	Colour	Outer Ø mm	Copper weight	Weight kg/km
9051011714	2.5	WHITE	4.1	24	30
9051011715	2.5	YELLOW	4.1	24	30
9051012001	4.0	BLACK	4.8	38	66
9051012002	4.0	LIGHT BLUE	4.8	38	66
9051012003	4.0	BROWN	4.8	38	66
9051012006	4.0	GREEN / YELLOW	4.8	38	66
9051012007	4.0	GREY	4.8	38	66
9051012010	4.0	RED	4.8	38	66
9051012014	4.0	WHITE	4.8	38	66
9051012015	4.0	YELLOW	4.8	38	66
9051012101	6.0	BLACK	5.3	58	112
9051012102	6.0	LIGHT BLUE	5.3	58	112
9051012103	6.0	BROWN	5.3	58	112
9051012106	6.0	GREEN / YELLOW	5.3	58	112
9051012107	6.0	GREY	5.3	58	112
9051012110	6.0	RED	5.3	58	112
9051012114	6.0	WHITE	5.3	58	112
9051012115	6.0	YELLOW	5.3	58	112
9051012201	10	BLACK	6.8	96	172
9051012202	10	LIGHT BLUE	6.8	96	172
9051012203	10	BROWN	6.8	96	172
9051012206	10	GREEN / YELLOW	6.8	96	172
9051012207	10	GREY	6.8	96	172
9051012210	10	RED	6.8	96	172
9051012214	10	WHITE	6.8	96	172
9051012215	10	YELLOW	6.8	96	172
9051012301	16	BLACK	8.1	154	268
9051012302	16	LIGHT BLUE	8.1	154	268
9051012303	16	BROWN	8.1	154	268
9051012306	16	GREEN / YELLOW	8.1	154	268
9051012307	16	GREY	8.1	154	268

Item No.	Dim. nxmm ²	Colour	Outer Ø mm	Copper weight	Weight kg/km
9051012310	16	RED	8.1	154	268
9051012315	16	WHITE	8.1	154	268
9051012401	25	BLACK	10.2	240	363
9051012402	25	LIGHT BLUE	10.2	240	363
9051012403	25	BROWN	10.2	240	363
9051012406	25	GREEN / YELLOW	10.2	240	363
9051012407	25	GREY	10.2	240	363
9051012410	25	RED	10.2	240	363
9051012415	25	YELLOW	10.2	240	363
9051012501	35	BLACK	11.7	336	510
9051012502	35	LIGHT BLUE	11.7	336	510
9051012503	35	BROWN	11.7	336	510
9051012506	35	GREEN / YELLOW	11.7	336	510
9051012507	35	GREY	11.7	336	510
9051012510	35	RED	11.7	336	510
9051012701	50	BLACK	13.9	480	700
9051012702	50	LIGHT BLUE	13.9	480	700
9051012703	50	BROWN	13.9	480	700
9051012606	50	GREEN / YELLOW	13.9	480	700
9051012607	50	GREY	13.9	480	700
9051012701	70	BLACK	16	672	960
9051012702	70	LIGHT BLUE	16	672	960
9051012703	70	BROWN	16	672	960
9051012706	70	GREEN / YELLOW	16	672	960
9051012706	70	GREY	16	672	960
9051012801	95	BLACK	18.2	912	1295
9051012802	95	LIGHT BLUE	18.2	912	1295
9051012803	95	BROWN	18.2	912	1295
9051012806	95	GREEN / YELLOW	18.2	912	1295
9051012807	95	GREY	18.2	912	1295
9051012901	120	BLACK	20.2	1152	1590

Item No.	Dim. nxmm ²	Colour	Outer Ø mm	Copper weight	Weight kg/km
9051012903	120	BROWN	20.2	1152	1590
9051012906	120	GREEN / YELLOW	20.2	1152	1590
9051012907	120	GREY	20.2	1152	1590
9051013001	150	BLACK	22.5	1440	2085
9051013006	150	GREEN / YELLOW	22.5	1440	2085
9051013101	185	BLACK	24.9	1776	2450
9051013106	185	GREEN / YELLOW	24.9	1776	2450
9051013201	240	BLACK	28.4	2304	3160
9051013206	240	GREEN / YELLOW	28.4	2304	3160