

H07V-K / 07V-K

PVC single core, finely stranded



TECHNICAL DATA

PVC single core, H07V-K acc. to DIN VDE 0285-525-2-31 / DIN EN 50525-2-31, IEC 60227-3; 07V-K in alignment with DIN VDE 0285-525-2-31 / DIN EN 50525-2-31, IEC 60227-3

Temperature range	flexible +5°C to +70°C fixed -30°C to +80°C
Nominal voltage	AC U ₀ /U 450/750 V
Test voltage	2500 V
Minimum bending radius	fixed <8 mm: 4x Outer-ø 8-12 mm: 5x Outer-ø >12 mm: 6x Outer-ø

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T11)
- Core identification: see table

PROPERTIES

- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

APPLICATION

Installation in electrical conduits, on or under plaster or similar enclosed systems. Suitable for protected and fixed installation in lighting systems or switching and control devices up to and including 1000 V AC voltage or up to 750 V DC voltage against earth. Not suitable for direct laying in cable ladders and cable trays, except as a potential equalization cable.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- Approved core colours: black, green-yellow, blue, brown, red, white, grey, violet, orange, pink

H07V-K Coil in cardboard box (100m)

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	black (RAL 9005) Part no.	green-yellow Part no.	blue (RAL 5015) Part no.	brown (RAL 8003) Part no.	red (RAL 3000) Part no.	white (RAL 9003) Part no.	grey (RAL 7001) Part no.	violet (RAL 4005) Part no.	orange (RAL 2003) Part no.
1.5	16	2.8 - 3.4	14.4	29129	29130	29131	29132	29133	29134	29135	29136	29142
2.5	14	3.4 - 4.1	24.0	29145	29146	29147	29148	29149	29150	29151	29152	29158
4	12	3.9 - 4.8	38.0	29161	29162	29163	29164	29165	29166	29167	29168	29174
6	10	4.4 - 5.3	58.0	29177	29178	29179	29180	29181	29182	29183	29184	29190

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	dark blue (RAL 5010) Part no.	pink (RAL 3015) Part no.	ultram.blue (RAL 5002) Part no.
1.5	16	2.8 - 3.4	14.4	29141	29138	26395
2.5	14	3.4 - 4.1	24.0	29157	29154	26396
4	12	3.9 - 4.8	38.0	29173	29170	26397
6	10	4.4 - 5.3	58.0	29189	29186	26398

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Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	yellow (RAL 1021)	green (RAL 6018)	transparent	blue-red	brown-green	brown-black	yellow-red	yellow-white	grey-black
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
2.5	14	3.4 - 4.1	24.0	29855	29857	29858	11020535	-	11020181	-	11019088	11019804
4	12	3.9 - 4.8	38.0	29906	29908	29909	11019583	-	-	-	-	11020104
6	10	4.4 - 5.3	58.0	29923	29925	29926	-	-	-	-	-	-
10	8	5.7 - 6.8	96.0	29201	29203	29204	-	-	-	-	-	-
16	6	6.7 - 8.1	154.0	29217	29219	29220	-	-	-	-	-	-
25	4	8.4 - 10.2	240.0	29233	29235	29236	-	-	-	-	-	-
35	2	9.7 - 11.7	336.0	29249	29251	29252	-	-	-	-	-	-
50	1	11.5 - 13.9	480.0	29265	29267	29268	-	-	-	-	-	-
70	2/0	13.2 - 16.0	672.0	29281	29283	29284	-	-	-	-	-	-
95	3/0	15.1 - 18.2	912.0	29297	29299	29300	-	-	-	-	-	-
120	4/0	16.7 - 20.2	1152.0	29426	29428	29429	-	-	-	-	-	-
150	300 kcmil	18.6 - 22.5	1440.0	29442	29444	29445	-	-	-	-	-	-
185	350 kcmil	20.6 - 24.9	1776.0	29592	29594	29595	-	-	-	-	-	-
240	500 kcmil	23.5 - 28.4	2304.0	29841	29843	29844	-	-	-	-	-	-

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	grey-white	green-brown	green-white	pink-white	red-blue	red-yellow	red-black	black-green	black-red
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	2.8 - 3.4	14.4	11019082	11020487	11020250	11020281	11020563	11020493	11019084	11019085	-
2.5	14	3.4 - 4.1	24.0	11019584	-	11020252	-	11020534	-	11019090	-	11019091
4	12	3.9 - 4.8	38.0	-	-	-	11020162	11020538	-	11020256	-	11019094
6	10	4.4 - 5.3	58.0	11020240	-	-	-	-	-	-	-	-

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	black-white	orange-white	violet-black	violet-white	white-blue	white-brown	white-grey	white-green	white-red
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	2.8 - 3.4	14.4	11019930	11019083	-	11019086	11020515	11020491	11019586	11020490	11020488
2.5	14	3.4 - 4.1	24.0	11019894	11019089	11020475	11019092	-	-	11019587	-	-
4	12	3.9 - 4.8	38.0	11020517	11020735	-	11020424	-	-	-	-	-

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	white-black
				Part no.
1.5	16	2.8 - 3.4	14.4	11019087
2.5	14	3.4 - 4.1	24.0	11019093

H07V-K Barrel

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	black (RAL 9005)	green-yellow	blue (RAL 5015)	brown (RAL 8003)	red (RAL 3000)	white (RAL 9003)	grey (RAL 7001)	violet (RAL 4005)	orange (RAL 2003)
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	2.8 - 3.4	14.4	26755	26756	26757	26758	26759	26760	26761	26762	26768
2.5	14	3.4 - 4.1	24.0	26771	26772	26773	26774	26775	26776	26777	26778	26784
4	12	3.9 - 4.8	38.0	26787	26788	26789	26790	26791	26792	26793	26794	26800
6	10	4.4 - 5.3	58.0	26803	26804	26805	26806	26807	26808	26809	26810	26816