

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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07V-K Coil in cardboard box (100m)

				yellow (RAL 1021)	green (RAL 6018)	transparent	blue-white	brown-white	dark blue-white	red-white
Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	2.8 - 3.4	14.4	29137	29139	29140	29378	29383	29397	29373
2.5	14	3.4 - 4.1	24.0	29153	29155	29156	29379	29384	29398	29374
4	12	3.9 - 4.8	38.0	29169	29171	29172	29386	29387	29399	29385
6	10	4.4 - 5.3	58.0	29185	29187	29188	29389	29390	29527	29388
10	8	5.7 - 6.8	96.0	-	-	-	29392	29393	29528	29391

H07V-K Coil (100m)

				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)
Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	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	26060	26061	26062	26063	26064	26065	26066	26067	26109
2.5	14	3.4 - 4.1	24.0	26112	26113	26114	26115	26116	26117	26118	26119	29890
4	12	3.9 - 4.8	38.0	29893	29894	29895	29896	29897	29898	29899	29905	29911
6	10	4.4 - 5.3	58.0	29914	29915	29916	29917	29918	29919	29921	29922	29928
10	8	5.7 - 6.8	96.0	29193	29194	29195	29196	29197	29198	29199	29200	29206
16	6	6.7 - 8.1	154.0	29209	29210	29211	29212	29213	29214	29215	29216	29222
25	4	8.4 - 10.2	240.0	29225	29226	29227	29228	29229	29230	29231	29232	29238
35	2	9.7 - 11.7	336.0	29241	29242	29243	29244	29245	29246	29247	29248	29254
50	1	11.5 - 13.9	480.0	29257	29258	29259	29260	29261	29262	29263	29264	29270
70	2/0	13.2 - 16.0	672.0	29273	29274	29275	29276	29277	29278	29279	29280	29286
95	3/0	15.1 - 18.2	912.0	29289	29290	29291	29292	29293	29294	29295	29296	29302
120	4/0	16.7 - 20.2	1152.0	29418	29419	29420	29421	29422	29423	29424	29425	29431
150	300 kcmil	18.6 - 22.5	1440.0	29434	29435	29436	29437	29438	29439	29440	29441	29447
185	350 kcmil	20.6 - 24.9	1776.0	29494	29495	29496	29497	29498	29499	29590	29591	29597
240	500 kcmil	23.5 - 28.4	2304.0	29813	29814	29815	29816	29817	29818	29819	29840	29846

				dark blue (RAL 5010)	pink (RAL 3015)	ultram.blue (RAL 5002)
Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	Part no.	Part no.	Part no.
1.5	16	2.8 - 3.4	14.4	26108	26069	26821
2.5	14	3.4 - 4.1	24.0	29859	29856	26822
4	12	3.9 - 4.8	38.0	29910	29907	26823
6	10	4.4 - 5.3	58.0	29927	29924	26824
10	8	5.7 - 6.8	96.0	29205	29202	-
16	6	6.7 - 8.1	154.0	29221	29218	-
25	4	8.4 - 10.2	240.0	29237	29234	-
35	2	9.7 - 11.7	336.0	29253	29250	-
50	1	11.5 - 13.9	480.0	29269	29266	-
70	2/0	13.2 - 16.0	672.0	29285	29282	-
95	3/0	15.1 - 18.2	912.0	29301	29298	-
120	4/0	16.7 - 20.2	1152.0	29430	29427	-
150	300 kcmil	18.6 - 22.5	1440.0	29446	29443	-
185	350 kcmil	20.6 - 24.9	1776.0	29596	29593	-
240	500 kcmil	23.5 - 28.4	2304.0	29845	29842	-

07V-K Coil (100m)

				yellow (RAL 1021)	green (RAL 6018)	transparent	blue-red	brown-green	brown-black	yellow-red	yellow-white	grey-black
Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	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	26068	26092	26099	11019808	11020486	11021051	11020494	11019080	11019081