

H07V-K / 07V-K

PVC single core, finely stranded



CORPELIMA S.A.C.
Importadores y Líderes en Soluciones Eléctricas



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

H07V-K / 07V-K

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Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	yellow-red Part no.	grey-black Part no.	grey-white Part no.	green-brown Part no.	green-white Part no.	pink-white Part no.	red-blue Part no.	red-yellow Part no.	red-black Part no.
1.5	16	2.8 - 3.4	14.4	11020502	-	-	11020496	11020251	11020282	11020564	11020501	11020947
2.5	14	3.4 - 4.1	24.0	-	-	11020239	-	11020253	-	11020536	-	-
4	12	3.9 - 4.8	38.0	-	11020105	-	-	-	11020163	11020539	-	11020257
6	10	4.4 - 5.3	58.0	-	-	11020241	-	-	-	-	-	-

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	red-white Part no.	black-white Part no.	orange-white Part no.	violet-black Part no.	violet-white Part no.	white-blue Part no.	white-brown Part no.	white-green Part no.	white-red Part no.
1.5	16	2.8 - 3.4	14.4	29757	11019931	-	-	11020768	11020516	11020500	11020499	11020497
2.5	14	3.4 - 4.1	24.0	29761	-	11019079	11020476	-	-	-	-	-
4	12	3.9 - 4.8	38.0	29765	11020518	11020736	-	11020425	-	-	-	-
6	10	4.4 - 5.3	58.0	29769	-	-	-	-	-	-	-	-
10	8	5.7 - 6.8	96.0	29773	-	-	-	-	-	-	-	-

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	11020503

H07V-K Drum

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.
4	12	3.9 - 4.8	38.0	29560	29561	29562	29563	29564	29565	29566	29567	29573
6	10	4.4 - 5.3	58.0	29574	29575	29576	29577	29578	29579	29580	29581	29587
10	8	5.7 - 6.8	96.0	26825	26826	26827	26828	26829	26830	26831	26832	26838
16	6	6.7 - 8.1	154.0	26841	26842	26843	26844	26845	26846	26847	26848	26854
25	4	8.4 - 10.2	240.0	26857	26858	26859	26860	26861	26862	26863	26864	26870
35	2	9.7 - 11.7	336.0	26873	26874	26875	26876	26877	26878	26879	26880	26886
50	1	11.5 - 13.9	480.0	26889	26890	26891	26892	26893	26894	26895	26896	26902
70	2/0	13.2 - 16.0	672.0	26905	26906	26907	26908	26909	26910	26911	26912	26918
95	3/0	15.1 - 18.2	912.0	26921	26922	26923	26924	26925	26926	26927	26928	26934
120	4/0	16.7 - 20.2	1152.0	29305	29306	29307	29308	29309	29310	29311	29312	29318
150	300 kcmil	18.6 - 22.5	1440.0	29321	29322	29323	29324	29325	29326	29327	29328	29334
185	350 kcmil	20.6 - 24.9	1776.0	29337	29338	29339	29340	29341	29342	29343	29344	29350
240	500 kcmil	23.5 - 28.4	2304.0	29353	29354	29355	29356	29357	29358	29359	29360	29366

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.
4	12	3.9 - 4.8	38.0	29572	29569
6	10	4.4 - 5.3	58.0	29586	29583
10	8	5.7 - 6.8	96.0	26837	26834
16	6	6.7 - 8.1	154.0	26853	26850
25	4	8.4 - 10.2	240.0	26869	26866
35	2	9.7 - 11.7	336.0	26885	26882
50	1	11.5 - 13.9	480.0	26901	26898
70	2/0	13.2 - 16.0	672.0	26917	26914
95	3/0	15.1 - 18.2	912.0	26933	26930
120	4/0	16.7 - 20.2	1152.0	29317	29314
150	300 kcmil	18.6 - 22.5	1440.0	29333	29330