

H07V2-K PVC single core, 90°C, heat resistant**Technical data**

- Special PVC single core with increased heat-resistance up to 90°C acc. to DIN VDE 0285-525-2-31 / DIN EN 50525-2-31
- **Temperature range** flexing +5°C to +90°C
- **max. Temperature** at conductor under permanent load: +90°C
- **Nominal voltage** U_0/U 450/750 V
- **Test voltage** 2000 V
- **Insulation resistance** min. 20 MOhm x km
- **Minimum bending radius** 10-15x core Ø
- **Radiation resistance** up to 80×10^6 cJ/kg (up to 80 Mrad)

Cable structure

- Bare copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of heat-resistant PVC compound type T13 to DIN VDE 0207-363-3/DIN EN 50363-3
- Core identification see table below

Properties

- Heat-resistant special PVC compound of selected stabilizer and plasticizer
- Not to be used in contact with objects higher than 85°C
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2/IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Application

Therm insulated wires are ideal for use in power current installation, switch cabinets, motors and transformers which are subject to direct contact with high temperatures (e. g. varnishing machines and drying towers etc.). These are also suitable for inside wiring of electrical equipments such as lighting and heating apparatus. Suitable for fixed protected installation in, or on lighting or controlgear for voltages up to 1000 V a.c. or, up to 750 V d.c. to earth.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Cross-section mm ²	Outer Ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	BK	GN-YE	BU	BN	RD	WH	GY	VT	D-BU
Part no. 1,5	2,8 - 3,4	14,4	20,0	29970	29971	29972	29973	29974	29975	29976	29977	29978
Part no. 2,5	3,4 - 4,1	24,0	33,3	29979	29980	29981	29982	29983	29984	29985	29986	29987
Part no. 4	3,9 - 4,8	38,0	48,3	29988	29989	29990	29991	29992	29993	29994	29995	29996
Part no. 6	4,4 - 5,3	58,0	68,5	29997	29998	29999	30000	30001	30002	30003	30004	30005
Part no. 10	5,7 - 6,8	96,0	115,0	30006	30007	30008	30009	30010	30011	30012	30013	30014
Part no. 16	6,7 - 8,1	154,0	170,0	30015	30016	30017	30018	30019	30020	30021	30022	30023
Part no. 25	8,4 - 10,2	240,0	270,0	30024	30025	30026	30027	30028	30029	30030	30031	30032
Part no. 35	9,7 - 11,7	336,0	367,0	30033	30034	30035	30036	30037	30038	30039	30040	30041

Dimensions and specifications may be changed without prior notice. (RK01)



Suitable accessories can be found in Chapter X.

- Core end sleeve - ADI
- Core end sleeve - ADU