

H07 V2-K PVC single core, 90°C, heat resistant



Technical data

- Special PVC single core with increased heat-resistance up to 90 °C according to DIN VDE 0281 part 7 and HD 21.7 S2
- **Temperature range**
flexing +5 °C to +90 °C
- **Nominal voltage** U₀/U 450/750 V
- **Test voltage** 2000 V
- **Insulation resistance**
min. 20 MΩm x km
- **Minimum bending radius**
approx. 10-15x core ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)

Cable structure

- Plain copper, fine wire, acc. to DIN VDE 0295, cl. 5, IEC 60228 cl. 5, BS 6360 cl. 5 and HD 383
- Special heat-resistant core insulation T13 to DIN VDE 0281 part 7
- Cores colour coded or on request numbered according to DIN VDE 0293

Properties

- Heat-resistant special PVC compound of selected stabilizer and plasticizer
- All requirements and test methods conform DIN VDE 0281 part 7
- Not to be used in contact with objects higher than 85 °C
- Only 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
- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

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.

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

Cross-sec. mm ²	Core Ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	black	gn-ye	blue	brown	red	white	grey	vio	dk-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
Part no. 50	11,5 - 13,9	480,0	520,0	30042	30043	30044	30045	30046	30047	30048	30049	30050
Part no. 70	13,2 - 16,0	672,0	729,0	30051	30052	30053	30054	30055	30056	30057	30058	30059
Part no. 95	15,1 - 18,2	912,0	962,0	30060	30061	30062	30063	30064	30065	30066	30067	30068
Part no. 120	16,7 - 20,2	1115,0	1235,0	30069	30070	30071	30072	30073	30074	30075	30076	30077
Part no. 150	18,6 - 22,5	1440,0	1523,0	30078	30079	30080	30081	30082	30083	30084	30085	30086
Part no. 185	20,6 - 24,9	1776,0	1850,0	30087	30088	30089	30090	30091	30092	30093	30094	30095
Part no. 240	23,5 - 28,4	2304,0	2430,0	30096	30097	30098	30099	30100	30101	30102	30103	30104

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