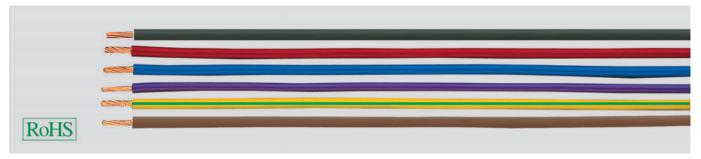
H05V2-K / H07V2-K

PVC-Single Cores. 90°C. heat-resistant





Technical data

- Special PVC single core with increased heat-resistance. H05V2-K / H07V2-K to 90 °C according to DIN VDE 0281 part 7 and HD 21.7 S2
- Temperature range H05V2-K / H07V2-K flexing + 5 °C to + 90 °C fixed installation - 40 °C to + 90 °C short circuit allowable temperature + 160 °C
- Nominal voltage H05V2-K: U ₀/U 300/500 V H07V2-K: U ₀/U 450/750 V
- Test voltage 10 kV
- Insulation resistance min. 20 MOhm 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 conductors to DIN VDE 0295. cl. 5. DIN EN 60228
- Wire marking according to DIN VDE 0281-1, (HD 21.1) numbered according to DIN VDE 0293
- Special heat-resistant core insulation up to +90 °C. Heat-resistant TI3 to DIN VDE 0281 part 1 (HD 21.1).

Properties

- Heat-resistant special PVC compound
- Not to be used in contact with objects higher than 85 °C
- PVC self-extinguishing and flame retardant according to DIN EN 60332-1-2
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

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. (UV exposure should be avoided). C ∈ = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.







Coil in cardboard (100m)		Coil in foil (100m)		Drum	
Article H05V2-K	Cross-sec. mm²	Core Ø	Cop. Weight kg / km	Weight approx. kg / km	
3090005xx	0,50	2,2	4,8	9	
3090007xx	0,75	2,3	7,2	11	
3090010xx	1,00	2,5	9,6	13	
H07V2-K					
3090015xx	1,50	3,0	14,4	19	
3090025xx	2,50	3,6	24,0	30	
3090040xx	4	4,3	38,4	45	
3090060xx	6	4,8	58,0	63	
3090100xx	10	6,3	96,0	110	
3090160xx	16	7,4	154,0	165	
3090250xx	25	9,1	240,0	255	
3090350xx	35	10,3	336,0	345	
3090500xx	50	12,7	480,0	490	
3090700xx	70	15,6	672,0	684	
3090950xx	95	16,7	912,0	927	
3091200xx	120	18,5	1115,0	1139	
3091500xx	150	20,4	1440,0	1468	
3091850xx	185	22,8	1776,0	1804	
3092400xx	240	26,0	2304,0	2342	

usual delivery design: 100 m coil in cardboard box (up to 6 mm2), coil in foil (as of 10 mm2) or drum (as of 35 mm2). Dimensions and specifications may be changed without prior notice. (RK01)

Note

• Please complete the part number for these cables by adding the suffix for the colour required as per the list:

01 = black, RAL 9005

02 = green/yellow, RAL 6018/1021

03 = blue, RAL 5015

04 = brown, RAL 8003

05 = red, RAL 3000 06 = white, RAL 1013

07 = grey, RAL 7000

08 = violet, RAL 4005

09 = yellow, RAL 1021

10 = pink, RAL 3015

11 = green, RAL 6018

12 = transparent

13 = dark-blue, RAL 5010

14 = orange, RAL 2003

Other colors on request

