

**PVC INSULATED, SINGLE CORE CABLES**



**CODE** **Standards**

**HO5V-U, HO7V-U, HO7V-R CU/PVC** TS EN 50525-2-31, VDE 0281, IEC 60227, BS 6004  
**CU:** IEC 60228 CLASS 1 & 2  
**R:** Stranded Conductor

**Technical Data**

Max. operating temperature : 70 °C  
 Short circuit temperature : 160 °C (max. 5 sn.)  
 Rated voltage : 300/500 V- 450/750 V

**Application** **Construction**

Used in covered, dry places, in fixed plants, in distribution panels, on and under plaster as laid in conduit. 1. Solid or stranded copper conductor.  
2. PVC insulation.

Type	Nominal cross-section mm <sup>2</sup>	Overall Diameter (approx.) mm	Net Weight (approx.) kg/km	DC Resistance at Conductor 20 °C ohm / km	Current Carrying Capacity	
					In ground at 20 °C A	In Air at 30 °C A
H07V-R	10,00	5,9	108,42	1,8300	45	73
	16,00	6,9	167,71	1,1500	61	98
	25,00	8,3	256,84	0,7270	83	129
	35,00	9,7	356,09	0,5240	103	158
	50,00	11,3	481,05	0,3870	132	198
	70,00	12,8	694,00	0,2680	165	245
	95,00	14,6	938,00	0,1930	197	292
	120,00	16,2	1.172,00	0,1530	235	344