

**Code****H05V-R , H07V-R CU/PVC****Voltage Rating****300/500 V , 450/750 V****Standards****EN 50525-2-31 / VDE 0281 / IEC 60227-3 / BS 6004
IEC 60228****Conductor****Reaction to Fire Classification (CPR)****EN 60332-1-2****Flame Retardant****Conductor****Stranded Copper Conductor (Class 2)****Insulation****PVC (Polyvinyl Chloride)****Filler****-****Armour****-****Sheath****-****Technical Data**

Max. Operating Temperature	:	70°C
Short Circuit Temperature	:	160°C (max.5 sec.)
Bending Radius	:	12D (D : Overall Diameter)
Test Voltage	:	2 kV, 2,5 kV

Application**In dry rooms, switch and distribution boards, for laying in conduit on and under plaster and on insulating supports above plaster**

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
1x0,50*	2,1	9,4	100	36,0	-	12
1x0,75*	2,3	11,8	100	24,5	-	15
1x1*	2,5	14,8	100	18,1	11	19
1x1,5	2,9	21,5	100	12,1	14,5	24
1x2,5	3,6	33,7	100	7,41	19,5	32
1x4	4,1	48,7	100	4,61	26	42
1x6	4,7	69,2	100	3,08	34	54
1x10	6,0	112,5	100	1,83	46	73
1x16	7,0	171,5	100	1,15	61	98
1x25	8,6	266,6	1000	0,727	80	129
1x35	9,8	357,5	1000	0,524	99	158
1x50	11,6	496,3	1000	0,387	119	198
1x70	13,2	680,1	1000	0,268	151	245
1x95	15,5	941,9	1000	0,193	182	292
1x120	17,1	1160,4	1000	0,153	210	344
1x150	19,1	1445,0	1000	0,124	240	391
1x185	21,2	1812,6	1000	0,0991	273	448
1x240	24,1	2345,6	1000	0,0754	320	528
1x300	26,9	2991,9	1000	0,0601	-	608
1x400	30,6	3766,6	1000	0,0470	-	726
1x500	34,2	4915,7	1000	0,0366	-	830
1x630	38,0	6086,5	1000	0,0283	-	-

Note 1:

* For H05V-R cables

Note 2:

Current carrying capacities are valid at 30°C ambient temperature